

1257-1

CATALOG No 18

BONNEY

VICES *and*

WRENCHES



1257-1

ESTABLISHED

1876

Recd 12/22/17

C.H.



TRADE

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Established 1876

Incorporated 1901

Bonney Vise & Tool Works

Incorporated

Allentown · Pennsylvania · U · S · A

Catalogue No. Eighteen

A Reference Book on Vises
and Wrenches of All Kinds

TRADE MARKS
Registered in U. S. Patent Office



"BONNEY"



Philadelphia Office, 405-406 Stephen Girard Building
New York Office and Store, 86 Warren Street
Factory Cable Address "Bonnevise", Allentown, Western Union Code
New York Cable Address "Crowco", New York, Western Union Code

Copyright 1914



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**TERMS**

INVOICES PAYABLE ONLY IN New York City **PAR** funds with **NO ALLOWANCE FOR EXCHANGE.**

All Goods delivered **F. O. B. Cars ALLENTOWN** without charge for packing, except special packing for Export.

Goods for Export delivered **F. A. S. Vessel** New York, Philadelphia or Boston, in shipments of 200 lbs. and over.

PRINTED MATTER and **ELECTROTYPES OF STOCK GOODS** furnished customers without charge.

Quotations subject to change without notice. All agreements contingent upon strikes, fires, accidents and other conditions beyond our control. Charges made for dies and tools do not convey the right to remove them from our factory.



**LINES CARRIED IN STOCK AT FACTORY AND
NEW YORK STORE**

STILLSON	-	WRENCHES	AMATEUR	-	VISES
ADJUSTABLE "S"	"	"	CHAMPION	- -	"
COMBINATION	"	"	STANDARD	- -	"
DROP-FORGED	"	"	MACHINISTS	-	"
STEEL STAMPED	"	"	FARMERS	- -	"
CROCODILE	-	"	COACH MAKERS		"
ALWAYS READY	"	"	JEWELERS	- -	"
"VIXEN"	-	"	HAND	- - -	"
MALLEABLE	-	"	COMBINATION ANVIL		"
HERCULES SCREW	"	"	WOOD WOKKERS		"

**HOLLOW AUGERS, SPOKE POINTERS, AUGER HANDLES
BENCH STOPS, STEEL LATHE DOGS
COMBINATION PLIERS
BOX OPENERS**

**SPECIAL DROP-FORGINGS MADE FROM
MODELS, DRAWINGS OR BLUE PRINTS**



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**BONNEY STILLSON WRENCHES**

Jaw



Nut



Frame



Wooden Handle

BONNEY STILLSON WRENCHES are all forged from the highest grade tool steel, and are interchangeable with similar wrenches. Each wrench is thoroughly tested and is absolutely warranted in every way.

PRICE LIST

Length, open.....	6	8	10	14	18	24	36	48
Takes pipe.....	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to $2\frac{1}{4}$	$2\frac{1}{4}$ to $3\frac{1}{4}$	1 to 5	
Price, each.....	\$2.00	\$2.00	\$2.25	\$3.00	\$4.00	\$6.00	\$12.00	\$18.00
Extra jaws.....	.75	.75	.80	1.00	1.33	2.10	4.75	7.25
Extra frames.....	.35	.35	.40	.50	.55	.80	1.30	1.50
Wood handles.....	.16	.16	.18	.25	.28			
Steel handles.....	.95	.95	1.10	1.45	2.10	3.20	6.40	9.25
Nuts.....	.11	.11	.14	.17	.22	.35	.55	.95
Springs.....	.10	.10	.10	.10	.10	.11	.13	.13
No. of springs each wrench.	1	1	2	2	2	3	1	1
Frame pins.....	.03	.03	.04	.04	.04	.04	.05	.05
Spring pins.....	.01	.01	.02	.02	.02	.02	.02	.02
End nuts.....	.15	.15	.20	.20				
Ferrule.....	.10	.10	.12	.15				

6" to 24" sizes inclusive, packed $\frac{1}{2}$ doz. in a wooden box. Larger sizes packed loose. Steel handle wrenches made in all sizes. Wooden handle wrenches made 6" to 18", inclusive.

EXPORT PACKING OF STILLSON WRENCHES

Size	No. to Case	Net Wt. lbs.	Gross Wt. lbs.	Measurements
6"	72	24	28	$13\frac{3}{4}$ x $7\frac{1}{2}$ x $8\frac{3}{4}$
8"	72	47	52	16 x $8\frac{1}{2}$ x $9\frac{1}{2}$
10"	72	108	122	$22\frac{1}{4}$ x $12\frac{1}{2}$ x 14
14"	72	204	224	$24\frac{1}{2}$ x $15\frac{3}{4}$ x $15\frac{3}{4}$
18"	54	243	267	$21\frac{1}{2}$ x 15 x 18
24"	24	200	221	27 x 13 x $15\frac{1}{2}$
36"	6	90	100	35 x $8\frac{1}{2}$ x $6\frac{3}{4}$
48"	6	144	160	45 x $10\frac{1}{2}$ x $7\frac{1}{4}$



BONNEY ADJUSTABLE "S" NUT WRENCH



BONNEY Adjustable "S" NUT Wrenches are designed, primarily, for utility, but in their construction every care has been taken to produce not only strength and durability, but also balance and beauty. The sliding jaw is a drop-forging and the long or fixed jaw is made of the highest grade of malleable iron. All parts are interchangeable. The handle is finished in bright black enamel and the jaws are polished.

PRICE LIST

Size, inches	6	8	10	12	14
Opens to.....	$\frac{3}{4}$ "	1"	$1\frac{3}{8}$ "	$1\frac{5}{8}$ "	2"
Price per doz.....	\$7.20	\$9.00	\$12.00	\$15.00	\$21.00
Weight, per doz...	5 lbs.	12 lbs.	21 lbs.	32 lbs.	56 lbs.

8.00 10.00

EXPORT PACKING OF ADJUSTABLE "S" NUT WRENCHES

Size, in.	No. to case	Net Wt. lbs.	Gross Wt. lbs.	Measurements
6	24 doz.	120	141	$22\frac{1}{2}$ x $10\frac{1}{2}$ x 16
8	24 "	288	333	$35\frac{3}{4}$ x $16\frac{1}{2}$ x 13
10	15 "	315	360	$35\frac{3}{4}$ x $16\frac{1}{2}$ x 13
12	6 "	192	230	$24\frac{1}{4}$ x $15\frac{3}{4}$ x $15\frac{3}{4}$
14	3 "	168	203	32 x 17 x 9

NET PRICE LIST OF PARTS FOR ADJUSTABLE "S" NUT WRENCHES

Size, inches	6	8	10	12	14
Jaw.....	\$0.10	\$0.12	\$0.15	\$0.25	\$0.35
Thumb Nut.....	.06	.06	.10	.11	.12
Screw for Thumb Nut.....	.03	.03	.03	.03	.03



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**BONNEY ADJUSTABLE "S" PIPE WRENCH**

BONNEY Adjustable "S" Pipe Wrenches are similar in material and finish to the Adjustable "S" Nut Wrenches described on the opposite page. The sliding jaw, however, is milled with teeth correctly cut to grip both pipe and round iron, and the long jaw is constructed on an angle of correct degree to prevent locking of the wrench when used on particularly difficult work. As in the case of the Adjustable "S" NUT Wrench the parts are interchangeable and the milled jaw can be replaced without difficulty.

PRICE LIST

Size, inches	6	8	10	12	14
Grips.....	$\frac{1}{8}$ Wire to pipe	$\frac{1}{8}$ Wire to pipe	$\frac{1}{8}$ Wire to pipe	$\frac{1}{8}$ Wire to pipe	$\frac{1}{8}$ Wire to pipe
Price, per doz..	\$7.20	\$9.00	\$12.00	\$15.00	\$21.00
Weight per doz.	5 lbs.	13 lbs.	22 lbs.	33 lbs.	57 lbs.

*8.00 13.00***EXPORT PACKING OF ADJUSTABLE "S" PIPE WRENCHES**

Size	No. to case	Net Wt., lbs.	Gross Wt., lbs.	Measurements
6	24 doz.	120	141	$22\frac{1}{2}$ x 10 x 16
8	24 "	312	357	$35\frac{3}{4}$ x $16\frac{1}{2}$ x 13
10	15 "	330	375	$35\frac{3}{4}$ x $16\frac{1}{2}$ x 13
12	6 "	198	236	$24\frac{1}{4}$ x $15\frac{3}{4}$ x $15\frac{3}{4}$
14	3 "	171	206	32 x 17 x 9

NET PRICE LIST OF PARTS FOR ADJUSTABLE "S" PIPE WRENCHES

Size, inches	6	8	10	12	14
Jaw.....	\$0.15	\$0.17	\$0.20	\$0.30	\$0.40
Thumb Nut ..	.06	.06	.10	.11	.12
Screw for Thumb Nut.	.03	.03	.03	.03	.03



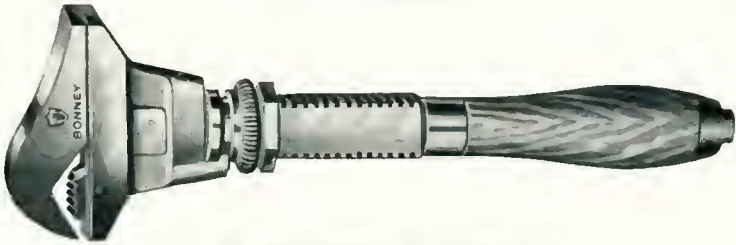
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BONNEY COMBINATION PIPE AND NUT WRENCH



No. 43 Bright, Short Nut

This wrench is strongly and carefully made, is thoroughly tested in every way and is warranted perfect in material and workmanship. The long jaw and shank is a solid drop-forging. The slide is of highest grade malleable iron and the toggle is drop-forged of special analysis tool steel.

All parts are properly hardened and are interchangeable with BONNEY and similar wrenches. It is especially adapted to the uses of Farmers and Oil-well Operators, to whom the added weight of separate tools would be particularly undesirable.

LIST PRICE, No. 43, SHORT NUT

Size	Capacity	Price per doz.	Weight per doz.
8"	$\frac{1}{4}$ " to $\frac{3}{4}$ "	\$21.00	15 lbs.
10"	$\frac{3}{4}$ " " $1\frac{1}{4}$ "	23.00	25 "
12"	$1\frac{1}{4}$ " " $1\frac{3}{4}$ "	26.00	36 "
15"	$1\frac{3}{4}$ " " $2\frac{1}{4}$ "	37.00	52 "
18"	$2\frac{1}{2}$ " " $3\frac{1}{2}$ "	66.00	81 "

All sizes except 18 in. packed $\frac{1}{2}$ doz. in a wooden box.

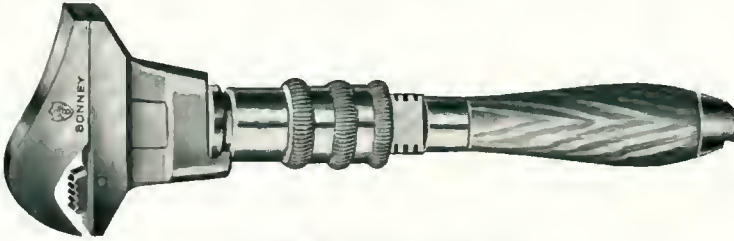
LIST PRICE, No. 44, BLACK, SAME AS ABOVE

Combination Pipe and Nut Wrenches packed for Export as follows:

Size	No. to Case	Net Wt. lbs.	Gross Wt. lbs.	Measurements
8"	6 doz.	96	115	18 x 8 x 20
10"	6 "	162	188	32 x 12 x 9
12"	6 "	240	275	35 x 14 x 10
15"	4 "	216	256	29 x 18 x 12
18"	2 "	180	220	38 $\frac{1}{4}$ x 21 x 8 $\frac{1}{4}$



BONNEY COMBINATION PIPE AND NUT WRENCH



No. 45, Bright, Long Nut

Combination Wrenches Nos. 45 and 46 are exactly the same in every particular as Nos. 43 and 44, with the one exception that the adjusting nut is made in the form of a knurled sleeve instead of the short nut. The knurled sleeve forms a covering for the screw on which the adjusting nut operates and thus protects the thread from bruises and other damage which might easily happen to the screw, by either dropping the wrench on stone or cement or by dropping some heavy article on the wrench.

LIST PRICE No. 45, LONG NUT

Size	Capacity	Price per doz.	Weight per doz.
8"	$\frac{1}{4}$ " to $\frac{3}{4}$ "	\$23.00	16 lbs.
10"	$\frac{1}{4}$ " " 1"	25.25	25 "
12"	$\frac{1}{2}$ " " $1\frac{1}{4}$ "	28.50	38 "
15"	$\frac{1}{2}$ " " $2\frac{1}{2}$ "	40.50	55 "
18"	$\frac{1}{2}$ " " 3"	72.00	84 "

All sizes except 18 in. packed $\frac{1}{2}$ doz. in a wooden box.

LIST PRICE No. 46, BLACK, SAME AS ABOVE

Combination Pipe and Nut Wrenches packed for export as follows:

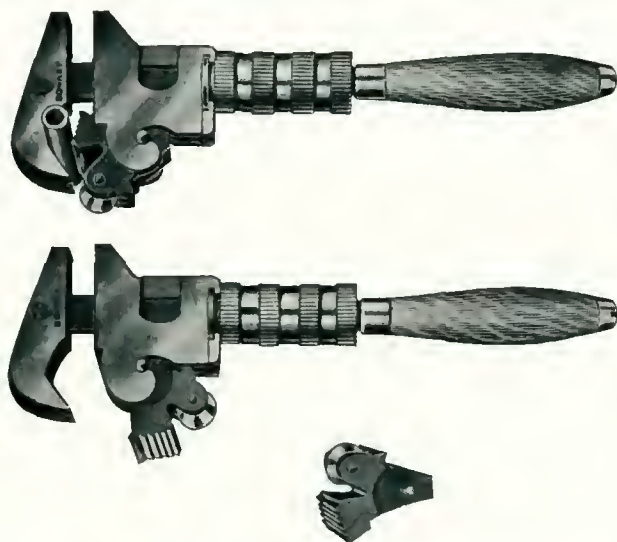
Size	No. to Case	Net Wt. lbs.	Gross Wt. lbs.	Measurements
8"	6 doz.	96	115	18 x 8 x 20
10"	6 "	162	188	32 x 12 x 9
12"	6 "	240	275	35 x 14 x 10
15"	4 "	216	256	29 x 18 x 12
18"	2 "	180	220	$38\frac{1}{2}$ x 21 x $8\frac{1}{2}$



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THE "MASTERPIECE" WRENCH



Combination Pipe and Nut Wrench and Pipe Cutter

The MASTERPIECE Wrench is similar in construction to the BONNEY Combination Wrenches, but is designed to do even more work than the Combination Wrench for the reason that it contains one additional very useful feature, namely, the PIPE CUTTING ATTACHMENT. This attachment consists of a drop-forged toggle, milled and drilled to hold firmly an eccentric cutting wheel. The eccentric construction of the wheel makes it possible to cut through the average pipe in a very few turns, as every time the high side of the wheel comes in contact with the pipe it makes a deep cut, while a half turn of the adjusting nut, when the wheel is on the low side, will tighten the cutter for the next turn.

The toggle also contains the pipe jaw which is carefully milled and hardened to withstand the roughest use and abuse. When the toggle is in position to turn pipe it rests against a strong spring, which gives it the same action as an individual pipe wrench.

The long jaw is made of drop-forged steel and the frame of highest grade malleable iron. Both are correctly hardened and warranted to be absolutely perfect in both material and workmanship.

BLACK No. 1

	Price Per Doz.	Wt. Per Doz.
10" adjustable to pipe from $\frac{1}{8}$ " to 1" in diam. . .	\$26.00	28 lbs.
12" " " " $\frac{3}{8}$ " " $1\frac{1}{4}$ " " " " ..	29.00	42 "
15" " " " $\frac{1}{2}$ " " $1\frac{1}{2}$ " " " " ..	41.00	57 "

BRIGHT No. 2

	Price Per Doz.	Wt. Per Doz.
10" adjustable to pipe from $\frac{1}{8}$ " to 1" in diam. . .	\$27.50	29 lbs.
12" " " " $\frac{3}{8}$ " " $1\frac{1}{4}$ " " " " ..	31.00	42 "
15" " " " $\frac{1}{2}$ " " $1\frac{1}{2}$ " " " " ..	44.00	57 "



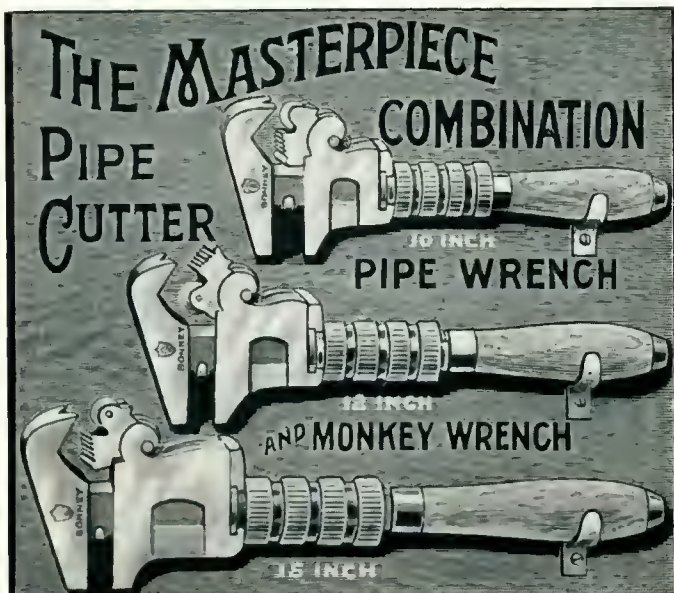
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For the convenience of our customers we will furnish free the attractive display board (14 x 16 in.) shown below. This board is a very helpful salesman when used for window or counter display.



Price per set of one each, 10, 12 and 15 inch Bright finish \$8.55
 " " " " " " " " Black " 8.00

EXPORT PACKING OF MASTERPIECE WRENCHES

Size	No. to Case	Net Weight	Gross Weight	Measurements
10"	6 doz.	180 lbs.	206 lbs.	32 x 12 x 9
12"	6 "	252 "	287 "	35 x 14 x 10
15"	4 "	240 "	283 "	29 x 18 x 12



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**BONNEY "THIN" WRENCHES**

BONNEY "Thin" Wrenches are especially designed for Lock Nuts, Check Nuts, and for Automobile use. They are stamped from special analysis steel and are hardened all over. They are made in two finishes—Polished and Nickel Plated, and Semi-finished or Black with polished heads.

No.	Openings Inches	Length	Weight per doz.	Price each Semi-fin.	Price each Nickel Plated
110	$\frac{1}{4}$ & $\frac{5}{16}$	4 $\frac{3}{8}$ "	11 oz.	\$0.10	\$0.15
120	$\frac{3}{8}$ & $\frac{7}{16}$	5"	1 lb. 7 oz.	.14	.21
130	$\frac{1}{2}$ & $\frac{9}{16}$	6 $\frac{1}{4}$ "	2 " 3 "	.18	.27
140	$\frac{5}{8}$ & $\frac{3}{4}$	7 $\frac{3}{4}$ "	5 " 1 "	.25	.37
150	$\frac{3}{4}$ & 1	9 $\frac{3}{8}$ "	6 " 5 "	.33	.50



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BONNEY "THIN" WRENCHES



BONNEY "Thin" Wrenches are packed in sets as follows:

- Set No. 1.—Five Wrenches, one each, 110-150, ten openings, from $\frac{1}{4}$ " to 1" semi-finished, packed in canvas case. Price per set . . . \$1.25
 - Set No. 2.—Same as No. 1, packed in cardboard box. Price per set . . . \$1.00
 - Set No. 3.—Same as Set No. 1, polished and nickel plated, packed in canvas case. Price per set . . . \$1.75
 - Set No. 4.—Same as Set No. 3, in cardboard box. Price per set . . . \$1.50
- Weight per set either in cardboard box or canvas case, 1 lb. 6 oz.

EXPORT PACKING OF BONNEY "THIN" WRENCHES

No. of sets to case	Net Weight	Gross Weight	Measurements
100	138 lbs.	173 lbs.	24 x 15 x 15



BONNEY HERCULES SCREW WRENCHES



Bonney Hercules Screw Wrenches are made of the best grade of steel and malleable iron. The long jaw is a drop-forging and the sliding jaw and handle frame are malleable iron. All parts are carefully machined to an accurate fit and are interchangeable. The jaws are case hardened to withstand wear.

These wrenches are warranted against any defects in workmanship and material and against breakage from any cause, except abuse.

They are wrapped one half dozen to a bundle in sizes 6'' to 12'', inclusive. 15'' and 18'' are wrapped one third in a bundle and the 21'' are wrapped one in a bundle.

PRICE LIST AND DOMESTIC PACKING

Size	6''	8''	10''	12''	15''	18''	21''
Opens	$\frac{7}{8}$ ''	$1\frac{1}{4}$ ''	$1\frac{3}{4}$ ''	$2\frac{1}{4}$ ''	$2\frac{3}{4}$ ''	$3\frac{1}{8}$ ''	$4\frac{1}{4}$ ''
Weight per doz	8½ lbs.	15	24	39	57	82	104
Weight per case	58	102	165	265	190	184	124
Black, per doz.	\$10.00	\$12.00	\$14.00	\$18.00	\$24.00	\$32.00	\$39.00

6'', 8'', 10'', 12''	packed	6 doz.	to case.
15''	"	3	" "
18''	"	2	" "
21''	"	1	" "

EXPORT PACKING

Size	Quantity	Net Wt., lbs.	Gross Wt., lbs.	Measurements
6''	6 doz.	51	61	17 x 8 $\frac{5}{8}$ x 7 $\frac{1}{4}$
8''	6 "	90	110	21 $\frac{7}{8}$ x 10 $\frac{3}{4}$ x 8 $\frac{1}{4}$
10''	6 "	144	175	23 $\frac{3}{8}$ x 12 x 9 $\frac{1}{4}$
12''	6 "	234	275	26 x 14 $\frac{3}{8}$ x 11
15''	3 "	171	200	19 $\frac{1}{4}$ x 18 x 9 $\frac{3}{4}$
18''	2 "	164	184	22 x 13 $\frac{1}{2}$ x 10
21''	1 "	104	124	24 $\frac{3}{4}$ x 14 x 6 $\frac{1}{2}$



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BONNEY DROP-FORGED WRENCHES



Unfinished Wrench Forgings are milled only, not hardened.



Semi-finished Wrench Forgings are milled, hardened and ends are polished.



Finished Wrench Forgings are milled, polished all over, case hardened, mottled and lacquered, heads bright.

Drop Forged Wrenches milled to order without extra charge in lots of 50 or more of a size; special wrenches made to order from models or drawings.

In ordering, be sure to specify finish desired. When no finish is specified, we will ship Semi-finished Wrenches.



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**SINGLE END ENGINEERS' WRENCHES****For U. S. Standard Hexagon Nuts Drop-Forged of Bar Steel
15° Angle**

No.	For U. S. Standard Nut; Size Bolt	Opening Milled	Extreme Length	Thickness Head	PRICE EACH			No.
					Unfin- ished	Semi- finished	Finished	
00	$\frac{1}{8}$	$\frac{5}{16}$	$2\frac{1}{2}$	$\frac{3}{16}$	\$0.08	\$0.12	\$0.16	00
0	$\frac{1}{8}$	$\frac{3}{16}$	$2\frac{1}{2}$	$\frac{1}{32}$	.09	.13	.18	0
1	$\frac{1}{4}$	$\frac{1}{2}$	$3\frac{1}{4}$	$\frac{1}{4}$	.10	.15	.20	1
2	$\frac{1}{4}$	$\frac{9}{32}$	$4\frac{1}{4}$	$\frac{9}{32}$	.12	.18	.24	2
3	$\frac{3}{8}$	$\frac{11}{16}$	$5\frac{1}{2}$	$\frac{5}{8}$	.14	.21	.28	3
4	$\frac{3}{8}$	$\frac{25}{32}$	$6\frac{1}{2}$	$\frac{11}{32}$	.17	.25	.34	4
5	$\frac{1}{2}$	$\frac{3}{4}$	$7\frac{1}{2}$	$\frac{13}{32}$	.20	.30	.40	5
6	$\frac{1}{2}$	$\frac{3}{2}$	$8\frac{1}{2}$	$\frac{1}{2}$	.26	.39	.52	6
7	$\frac{5}{8}$	$1\frac{1}{16}$	$9\frac{1}{4}$	$\frac{1}{2}$	.32	.48	.64	7
8	$\frac{5}{8}$	$1\frac{1}{4}$	11	$\frac{9}{16}$	.42	.63	.84	8
9	$\frac{3}{4}$	$1\frac{7}{16}$	13	$\frac{21}{32}$	.58	.87	1.16	9
10	1	$1\frac{5}{8}$	$14\frac{1}{2}$	$\frac{3}{4}$	.75	1.13	1.50	10
11	$1\frac{1}{8}$	$1\frac{13}{16}$	16	$\frac{7}{8}$	1.00	1.50	2.00	11
12	$1\frac{1}{4}$	2	$18\frac{1}{2}$	$\frac{15}{16}$	1.25	1.88	2.50	12
13	$1\frac{3}{8}$	$2\frac{3}{16}$	20	1	1.62	2.43	3.24	13
14	$1\frac{1}{2}$	$2\frac{5}{8}$	22	$1\frac{1}{16}$	2.00	3.00	4.00	14
15	$1\frac{5}{8}$	$2\frac{9}{16}$	24	$1\frac{1}{8}$	2.50	3.75	5.00	15
16	$1\frac{3}{4}$	$2\frac{7}{8}$	$25\frac{1}{2}$	$1\frac{3}{8}$	3.00	4.50	6.00	16
16 $\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{15}{16}$	27	$1\frac{7}{16}$	3.70	5.55	7.40	16 $\frac{1}{2}$
17	2	3	29	$1\frac{1}{2}$	4.40	6.60	8.80	17
18	$2\frac{1}{4}$	$3\frac{1}{8}$	33	$1\frac{1}{2}$	6.00	9.00	12.00	18
19	$2\frac{1}{2}$	$3\frac{3}{8}$	37	$1\frac{3}{4}$	7.60	11.40	15.20	19
19 $\frac{1}{2}$	$2\frac{3}{4}$	$4\frac{1}{4}$	39	$1\frac{7}{8}$	10.00	15.00	20.00	19 $\frac{1}{2}$
20	3	$4\frac{5}{8}$	41	$1\frac{7}{8}$	13.00	19.50	26.00	20
20A	$3\frac{1}{4}$	5	43	$1\frac{7}{8}$	16.00	24.00	32.00	20A
20B	$3\frac{1}{2}$	$5\frac{3}{8}$	51	$1\frac{7}{8}$	22.00	33.00	44.00	20B
20C	$3\frac{3}{4}$	$5\frac{3}{4}$	51	$1\frac{7}{8}$	25.00	36.00	47.00	20C
20D	4	$6\frac{1}{8}$	53	$1\frac{7}{8}$	28.00	39.00	50.00	20D
20E	$4\frac{1}{2}$	$6\frac{7}{8}$	53	$1\frac{7}{8}$	40.00	60.00	80.00	20E
20F	5	$7\frac{5}{8}$	53	$1\frac{7}{8}$	45.00	65.00	85.00	20F

Be particular when ordering to state whether unfinished, semi-finished or finished are wanted.



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DOUBLE END ENGINEERS' WRENCHES



For U. S. Standard Hexagon Nuts. Drop-Forged of Bar Steel.
15° Angle.

No.	For U. S. Standard Nuts; Size Bolts	Openings Milled	Ex-treme Length	Thickness Head	PRICE EACH			No.	
					Unfin-ished	Semi-finished	Fin-ished		
21	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{13}{32}$	$3\frac{1}{4}$	$\frac{13}{32}$	\$0.12	\$0.18	\$0.24	21
22	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{13}{32}$	4	$\frac{13}{32}$	.13	.20	.26	22
23	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	4	$\frac{13}{32}$	.14	.21	.28	23
24	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{2}$	4	$\frac{13}{32}$	.16	.24	.32	24
25	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	4	$\frac{13}{32}$	.18	.27	.36	25
26	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	5	$\frac{13}{32}$	.20	.30	.40	26
27	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	5	$\frac{13}{32}$	.22	.33	.44	27
28	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	6	$\frac{13}{32}$	.24	.36	.48	28
29	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	6	$\frac{13}{32}$	.26	.39	.52	29
30	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	7	$\frac{13}{32}$	.28	.42	.56	30
31	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	7	$\frac{13}{32}$	.30	.45	.60	31
32	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	8	$\frac{13}{32}$	.32	.48	.64	32
33	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	8	$\frac{13}{32}$	.36	.54	.72	33
34	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	9	$\frac{13}{32}$	.40	.60	.80	34
35	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	9	$\frac{13}{32}$	.44	.66	.88	35
36	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	11	$\frac{13}{32}$	.51	.77	1.02	36
37	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	11	$\frac{13}{32}$	.58	.87	1.16	37
38	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	13	$\frac{13}{32}$	.65	.98	1.30	38
39	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	13	$\frac{13}{32}$	.76	1.14	1.52	39
40	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	15	$\frac{13}{32}$	.88	1.32	1.76	40
41	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	15	$\frac{13}{32}$	1.00	1.50	2.00	41
42	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	17	$\frac{13}{32}$	1.18	1.77	2.36	42
43	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	17	$\frac{13}{32}$	1.36	2.04	2.72	43
44	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	19	$\frac{13}{32}$	1.55	2.33	3.10	44
45	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	19	$\frac{13}{32}$	1.80	2.70	3.60	45
46	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	21	$\frac{13}{32}$	2.05	3.08	4.10	46
47	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	21	$\frac{13}{32}$	2.30	3.45	4.60	47
48	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	23	$\frac{13}{32}$	2.65	3.98	5.30	48
49	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	23	$\frac{13}{32}$	3.00	4.50	6.00	49
50	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	25	$\frac{13}{32}$	3.35	5.03	6.70	50
51	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	25	$\frac{13}{32}$	3.80	5.70	7.60	51
52	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	27	$\frac{13}{32}$	4.25	6.38	8.50	52
53	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	27	$\frac{13}{32}$	4.70	7.05	9.40	53
53 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	29	$\frac{13}{32}$	5.30	7.95	10.60	53 $\frac{1}{2}$
54	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	31	$\frac{13}{32}$	5.90	8.85	11.80	54
55	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	32	$\frac{13}{32}$	6.50	9.75	13.00	55
55 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	33	$\frac{13}{32}$	7.35	11.03	14.70	55 $\frac{1}{2}$
56	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	34	$\frac{13}{32}$	8.20	12.30	16.40	56
56 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	35	$\frac{13}{32}$	9.05	13.58	18.10	56 $\frac{1}{2}$
57	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	36	$\frac{13}{32}$	10.25	15.38	20.50	57
57 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	37	$\frac{13}{32}$	11.50	17.25	23.00	57 $\frac{1}{2}$



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**SINGLE HEAD WRENCHES**

For Hexagon Cap Screws
15° Angle

All stock wrenches are milled to fit standard Hexagon cap screws.
Larger or special sizes milled to order.

No.	For Hex. Head Cap Screw Diameter of Screws	Openings Finished	Length	Thick-ness of Head	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
700	$\frac{3}{16}$	$\frac{3}{8}$	$2\frac{7}{8}$	$\frac{7}{32}$	\$0.09	\$0.13	\$0.18	700
701	$\frac{1}{4}$	$\frac{7}{16}$	$3\frac{3}{4}$	$\frac{1}{4}$	.10	.15	.20	701
701A	$\frac{5}{16}$	$\frac{1}{2}$	$3\frac{3}{4}$	$\frac{1}{4}$	.10	.15	.20	701A
702	$\frac{3}{8}$	$\frac{9}{16}$	$4\frac{3}{8}$	$\frac{9}{32}$	.12	.18	.24	702
703	$\frac{7}{16}$	$\frac{5}{8}$	$5\frac{5}{8}$	$\frac{5}{16}$	.14	.21	.28	703
704	$\frac{1}{2}$	$\frac{3}{4}$	$6\frac{1}{2}$	$\frac{11}{16}$	.17	.25	.34	704
705	$\frac{9}{16}$	$\frac{3}{4}$	$7\frac{1}{2}$	$\frac{3}{8}$	.20	.30	.40	705
705A	$\frac{5}{8}$	$\frac{7}{8}$	$7\frac{1}{2}$	$\frac{25}{64}$	.20	.30	.40	705A
706	$\frac{3}{4}$	1	$8\frac{3}{8}$	$\frac{7}{16}$	.26	.39	.52	706
707	$\frac{7}{8}$	$1\frac{1}{8}$	$9\frac{1}{4}$	$\frac{31}{64}$	.32	.48	.64	707
708	1	$1\frac{1}{4}$	$11\frac{1}{2}$	$\frac{9}{16}$	.42	.63	.84	708
708A	$1\frac{1}{8}$	$1\frac{3}{8}$	$11\frac{1}{8}$	$\frac{9}{16}$.42	.63	.84	708A
709	$1\frac{1}{4}$	$1\frac{1}{2}$	13	$\frac{23}{32}$.58	.87	1.16	709
710	$1\frac{3}{8}$	$1\frac{5}{8}$	$14\frac{3}{4}$	$\frac{3}{4}$.75	1.13	1.50	710



TRADE

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DOUBLE HEAD WRENCHES



For Hexagon Cap Screws
15° Angle

No.	For Hex. Head Cap Screws. Diameter of Screws	Openings Finished	Length	Thickness of Head	PRICE EACH			No.
					Unfin-ished	Semi-finished	Fin-ished	
721	1/8	&	3 1/4	5/32	\$0.12	\$0.18	\$0.24	721
722	3/16	&	4	3/32	.13	.20	.26	722
723	1/4	&	4	1/4	.14	.21	.28	723
723A	3/16	&	4	3/32	.14	.21	.28	723A
724	1/4	&	4 1/8	1/4	.17	.25	.34	724
725	3/16	&	4 1/8	3/32	.18	.27	.36	725
725A	1/4	&	4 1/8	1/4	.18	.27	.36	725A
725B	3/16	&	4 1/8	3/32	.18	.27	.36	725B
726	1/4	&	5	1/4	.20	.30	.40	726
727	3/8	&	5 1/2	3/8	.22	.33	.44	727
728	1/2	&	6	1/2	.24	.36	.48	728
729	3/4	&	6	3/4	.26	.39	.52	729
730	1	&	7 1/2	1	.28	.42	.56	730
731	1 1/4	&	7 3/4	1 1/4	.30	.45	.60	731
731A	1 1/2	&	7 3/4	1 1/2	.30	.45	.60	731A
731B	1 1/4	&	7 3/4	1 1/4	.30	.45	.60	731B
732	1 1/2	&	8	1 1/2	.32	.48	.64	732
732A	1 1/4	&	8	1 1/4	.32	.48	.64	732A
733	1 3/4	&	8 1/2	1 3/4	.36	.54	.72	733
734	2	&	9	2	.40	.60	.80	734
735	2 1/4	&	9 1/2	2 1/4	.44	.66	.88	735
736	2 3/4	1	11	2 3/4	.51	.77	1.02	736
737	3	1	11	3	.58	.87	1.16	737
738	3 1/4	1 1/8	13	3 1/4	.65	.98	1.30	738
739	1	1 1/4	13 1/2	1 1/4	.76	1.14	1.52	739
739A	1 1/8	1 1/2	13 1/2	1 1/8	.76	1.14	1.52	739A
739B	1 1/4	1 3/8	13 1/2	1 1/4	.76	1.14	1.52	739B

SOLELY Revised st.



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DOUBLE HEAD "S" WRENCHES



For U. S. Standard Nuts, 22½° Angle.

In Stock with openings for U. S. Standard Finished Nuts; Whitworth Standard and Metric Measure to order.

Number	For U. S. Standard Nuts; Size Bolts	Openings, Milled	Extreme Length	Thickness Heads	PRICE EACH			Number
					Un-finished	Semi-finished	Fin-ished	
661A	1/8 & 3/16	5/16 & 1/2	4	5/32	\$0.13	\$0.20	\$0.26	661A
661B	1/8 & 1/4	5/16 & 1/2	4	5/32	.13	.20	.26	661B
661C	3/16 & 1/4	5/16 & 1/2	4	5/32	.13	.20	.26	661C
662A	1/4 & 5/16	1/2 & 5/8	5	5/16	.17	.26	.34	662A
662B	1/4 & 3/8	1/2 & 5/8	5	5/16	.17	.26	.34	662B
662C	1/4 & 1/2	1/2 & 5/8	5	5/16	.17	.26	.34	662C
663A	5/16 & 3/8	1/2 & 5/8	6 1/2	5/16	.22	.33	.44	663A
663B	5/16 & 1/2	1/2 & 5/8	6 1/2	5/16	.22	.33	.44	663B
663C	5/16 & 3/4	1/2 & 5/8	6 1/2	5/16	.22	.33	.44	663C
664A	3/8 & 1/2	1/2 & 5/8	7 1/2	5/16	.28	.42	.56	664A
664B	3/8 & 3/4	1/2 & 5/8	7 1/2	5/16	.28	.42	.56	664B
664C	3/8 & 1 1/8	1/2 & 5/8	7 1/2	5/16	.28	.42	.56	664C
665A	1/2 & 5/8	1 & 1 1/8	9	5/16	.36	.54	.72	665A
665B	1/2 & 3/4	1 & 1 1/8	9	5/16	.36	.54	.72	665B
665C	1/2 & 1	1 & 1 1/8	9	5/16	.36	.54	.72	665C
666A	5/8 & 3/4	1 1/8 & 1 1/2	10 1/2	5/16	.48	.72	.96	666A
666B	5/8 & 1	1 1/8 & 1 1/2	10 1/2	5/16	.48	.72	.96	666B
666C	5/8 & 1 1/8	1 1/8 & 1 1/2	10 1/2	5/16	.48	.72	.96	666C
667A	3/4 & 1	1 1/8 & 1 1/2	12	5/16	.72	1.08	1.44	667A
667B	3/4 & 1 1/8	1 1/8 & 1 1/2	12	5/16	.72	1.08	1.44	667B
667C	3/4 & 1 1/4	1 1/8 & 1 1/2	12	5/16	.72	1.08	1.44	667C
668A	7/8 & 1 1/8	1 1/8 & 1 1/2	14	5/16	1.10	1.65	2.20	668A
668B	1 & 1 1/8	1 1/8 & 1 1/2	14	5/16	1.10	1.65	2.20	668B
668C	1 & 1 1/4	1 1/8 & 1 1/2	14	5/16	1.10	1.65	2.20	668C



TRADE

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DOUBLE HEAD "S" WRENCHES



For Hexagon Head Cap Screws,
22½° Angle

In stock with openings milled for Hexagon Head Cap Screws; Whitworth Standard and Metric Measure to order. Openings for U. S. Standard Nuts, Square Head.

Number	For Hexagon Head Cap Screws; Diameter	Openings, Milled	Extreme Length	Thickness Heads	PRICE EACH			Number
					Un-finished	Semi-finished	Fin-ished	
671A	1 1/8" & 1 1/4"	1/8" & 1/4"	4	3/32"	\$0.13	\$0.20	\$0.26	671A
671B	1 1/8" & 1 1/4"	1/8" & 1/4"	4	3/32"	.13	.20	.26	671B
671C	1 1/8" & 1 1/4"	1/8" & 1/4"	4	3/32"	.13	.26	.26	671C
671D	1 1/8" & 1 1/4"	1/8" & 1/4"	4	3/32"	.13	.20	.26	671D
672A	1 1/8" & 1 1/4"	1/8" & 1/4"	5	1/16"	.17	.26	.34	672A
672B	1 1/8" & 1 1/4"	1/8" & 1/4"	5	1/16"	.17	.26	.34	672B
672C	1 1/8" & 1 1/4"	1/8" & 1/4"	5	1/16"	.17	.26	.34	672C
672D	1 1/8" & 1 1/4"	1/8" & 1/4"	5	1/16"	.17	.26	.34	672D
673A	1 1/8" & 1 1/4"	1/8" & 1/4"	6 1/2	1/16"	.22	.33	.44	673A
673B	1 1/8" & 1 1/4"	1/8" & 1/4"	6 1/2	1/16"	.22	.33	.44	673B
673C	1 1/8" & 1 1/4"	1/8" & 1/4"	6 1/2	1/16"	.22	.33	.44	673C
673D	1 1/8" & 1 1/4"	1/8" & 1/4"	6 1/2	1/16"	.22	.33	.44	673D
674A	1 1/8" & 1 1/4"	1/8" & 1/4"	7 1/2	1/16"	.28	.42	.56	674A
674B	1 1/8" & 1 1/4"	1/8" & 1/4"	7 1/2	1/16"	.28	.42	.56	674B
674C	1 1/8" & 1 1/4"	1/8" & 1/4"	7 1/2	1/16"	.28	.42	.56	674C
675A	1 1/8" & 1 1/4"	1/8" & 1/4"	9	1/16"	.36	.54	.72	675A
675B	1 1/8" & 1 1/4"	1/8" & 1/4"	9	1/16"	.36	.54	.72	675B
675C	1 1/8" & 1 1/4"	1/8" & 1/4"	9	1/16"	.36	.54	.72	675C
675D	1 1/8" & 1 1/4"	1/8" & 1/4"	9	1/16"	.36	.54	.72	675D
676A	1 1/8" & 1 1/4"	1/8" & 1 1/2"	10 1/2	1/16"	.48	.72	.96	676A
676B	1 1/8" & 1 1/4"	1/8" & 1 1/2"	10 1/2	1/16"	.48	.72	.96	676B
676C	1 1/8" & 1 1/4"	1/8" & 1 1/2"	10 1/2	1/16"	.48	.72	.96	676C
677A	1 1/8" & 1 1/4"	1 1/8" & 1 1/2"	12	1/16"	.72	1.08	1.44	677A
677B	1 1/8" & 1 1/4"	1 1/8" & 1 1/2"	12	1/16"	.72	1.08	1.44	677B
677C	1 1/8" & 1 1/4"	1 1/8" & 1 1/2"	12	1/16"	.72	1.08	1.44	677C



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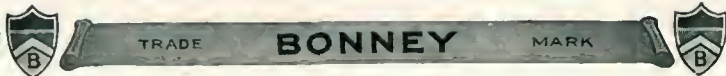
DOUBLE HEAD "S" WRENCHES



For Set Screws and Square Head Cap Screws,
22½° Angle

In stock with openings for Set Screws and Square Head Screws;
Whitworth Standard and Metric Measure to order.

Number	For Set Screws; Sizes	For Square Head Cap Screws; Diameter Screws	Openings, Milled	Extreme Length	Thickness, Heads	PRICE EACH			Number
						Un-finished	Semi-finished	Finished	
681A	1/8	1/8	1/8	4	1/8	\$0.13	\$0.20	\$0.26	681A
681B	1/8	1/8	1/8	4	1/8	.13	.20	.26	681B
681C	1/8	1/8	1/8	4	1/8	.13	.20	.26	681C
681D	1/8	1/8	1/8	4	1/8	.13	.20	.26	681D
682A	1/8	1/8	1/8	5	1/8	.17	.26	.34	682A
682B	1/8	1/8	1/8	5	1/8	.17	.26	.34	682B
682C	1/8	1/8	1/8	5	1/8	.17	.26	.34	682C
682D	1/8	1/8	1/8	5	1/8	.17	.26	.34	682D
683A	1/8	1/8	1/8	6 1/2	1/8	.22	.33	.44	683A
683B	1/8	1/8	1/8	6 1/2	1/8	.22	.33	.44	683B
683C	1/8	1/8	1/8	6 1/2	1/8	.22	.33	.44	683C
683D	1/8	1/8	1/8	6 1/2	1/8	.22	.33	.44	683D
684H	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684H
684A	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684A
684B	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684B
684K	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684K
684C	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684C
684D	1/8	1/8	1/8	7 1/2	1/8	.28	.42	.56	684D
685A	1/8	1/8	1/8	9	1/8	.36	.54	.72	685A
685B	1/8	1/8	1/8	9	1/8	.36	.54	.72	685B
685C	1/8	1/8	1/8	9	1/8	.36	.54	.72	685C
686A	1/8	1/8	1/8	10 1/2	1/8	.48	.72	.96	686A
686B	1/8	1/8	1/8	10 1/2	1/8	.48	.72	.96	686B
686C	1/8	1/8	1/8	10 1/2	1/8	.48	.72	.96	686C
686D	1/8	1/8	1/8	10 1/2	1/8	.48	.72	.96	686D
686E	1/8	1/8	1/8	10 1/2	1/8	.48	.72	.96	686E
687A	1/8	1/8	1/8	12	1/8	.72	1.08	1.44	687A
687B	1/8	1/8	1/8	12	1/8	.72	1.08	1.44	687B
687C	1/8	1/8	1/8	12	1/8	.72	1.08	1.44	687C
688A	1/8	1/8	1/8	14	1/8	1.10	1.65	2.20	688A
688B	1/8	1/8	1/8	14	1/8	1.10	1.65	2.20	688B



DOUBLE HEAD SET SCREW WRENCHES



15° Angle

No.	Set Screw Sizes	Extreme Length	Thickness of Heads	PRICE EACH			No.
				Un-finished	Semi-finished	Finished	
65	$\frac{3}{16}$ &	$3\frac{3}{4}$	$\frac{3}{16}$	\$0.13	\$0.20	\$0.26	65
66	$\frac{3}{16}$ & $\frac{1}{4}$	$3\frac{3}{4}$	$\frac{3}{16}$	.13	.20	.26	66
67	$\frac{1}{4}$ & $\frac{5}{16}$	$4\frac{1}{2}$	$\frac{1}{4}$	.15	.23	.30	67
68	$\frac{1}{4}$ & $\frac{3}{8}$	$4\frac{1}{2}$	$\frac{1}{4}$	.15	.23	.30	68
69	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{8}$	$\frac{5}{16}$	.18	.27	.36	69
70	$\frac{5}{16}$ & $\frac{7}{16}$	$5\frac{1}{8}$	$\frac{5}{16}$	.18	.27	.36	70
71	$\frac{3}{8}$ & $\frac{7}{16}$	$6\frac{1}{8}$	$\frac{3}{8}$	.22	.33	.44	71
72	$\frac{3}{8}$ & $\frac{1}{2}$	$6\frac{1}{8}$	$\frac{3}{8}$	.22	.33	.44	72
73	$\frac{7}{16}$ & $\frac{1}{2}$	$6\frac{1}{8}$	$\frac{7}{16}$	.27	.41	.54	73
74	$\frac{7}{16}$ & $\frac{9}{16}$	$6\frac{1}{8}$	$\frac{7}{16}$	.27	.41	.54	74
75	$\frac{1}{2}$ & $\frac{9}{16}$	$7\frac{1}{8}$	$\frac{1}{2}$	.33	.50	.66	75
76	$\frac{1}{2}$ & $\frac{1}{2}$	$7\frac{1}{8}$	$\frac{1}{2}$	.33	.50	.66	76
77	$\frac{9}{16}$ & $\frac{1}{2}$	$9\frac{1}{8}$	$\frac{9}{16}$	.40	.60	.80	77
78	$\frac{9}{16}$ & $\frac{5}{8}$	$9\frac{1}{8}$	$\frac{9}{16}$	.40	.60	.80	78
79	$\frac{5}{8}$ & $\frac{3}{4}$	$10\frac{1}{8}$	$\frac{5}{8}$	.48	.72	.96	79
80	$\frac{5}{8}$ & $\frac{7}{8}$	$10\frac{1}{8}$	$\frac{5}{8}$	.48	.72	.96	80
81	$\frac{3}{4}$ & $\frac{1}{2}$	$12\frac{1}{8}$	$\frac{3}{4}$	.58	.87	1.16	81
82	$\frac{3}{4}$ & 1	$12\frac{1}{8}$	$\frac{3}{4}$	.58	.87	1.16	82
83	$\frac{7}{8}$ & 1	$12\frac{3}{8}$	$\frac{7}{8}$	.68	1.02	1.36	83
84	$\frac{7}{8}$ & $1\frac{1}{8}$	$12\frac{3}{8}$	$\frac{7}{8}$	.68	1.02	1.36	84

TRIPLE HEAD WRENCHES



No.	For U.S. Standard Nuts, Size Bolt	For Set Screws Sizes	Extreme Length	Thickness of Heads	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
894A	$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$	$\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{2}$	$5\frac{3}{8}$	$\frac{3}{8}$	\$0.28	\$0.42	\$0.56	894A
894B	$\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{2}$	$\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{2}$	$5\frac{3}{8}$	$\frac{3}{8}$	.28	.42	.56	894B
894C	$\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$	$\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$	$5\frac{3}{8}$	$\frac{3}{8}$.42	.42	.56	894C
894D	$\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$	$\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$	5	$\frac{3}{8}$.28	.42	.56	894D
894E	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$	5	$\frac{3}{8}$.28	.42	.56	894E



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**DOUBLE HEAD TOOL POST WRENCHES**

For U. S. Standard Nuts and Set Screws
Unfinished wrenches have openings milled and holes broached

No.	Open End for U. S. Standard Nut		Closed End for Set Screw, Size	Extreme Length	Thickness of Heads	PRICE EACH			No.
	Size Bolt	Opening Milled				Un-finished	Semi-finished	Finished	
124	$\frac{3}{16}$	$\frac{11}{16}$	$\frac{9}{16}$	6 $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{16}$	\$0.25	\$0.38	\$0.50	124
129	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{7}{8}$	7	$\frac{9}{16}$ & $\frac{5}{8}$	.30	.45	.60	129
130	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{7}{8}$	7	$\frac{9}{16}$ & $\frac{5}{8}$	.30	.45	.60	130
131	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{7}{8}$	7	$\frac{9}{16}$ & $\frac{5}{8}$	.30	.45	.60	131
132	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{7}{8}$	7	$\frac{9}{16}$ & $\frac{5}{8}$	.30	.45	.60	132
139	$\frac{1}{2}$	$\frac{1}{16}$	$\frac{7}{8}$	7 $\frac{1}{2}$	$\frac{1}{8}$ & $\frac{9}{16}$	.35	.52	.70	139
140	$\frac{1}{2}$	$\frac{1}{16}$		8	$\frac{11}{16}$ & $\frac{1}{2}$	.40	.60	.80	140
143	$\frac{1}{2}$	$\frac{1}{4}$		9	$\frac{13}{16}$ & $\frac{3}{4}$	.50	.75	1.00	143
144	$\frac{1}{2}$	$\frac{1}{4}$		9	$\frac{13}{16}$ & $\frac{3}{4}$	.50	.75	1.00	144

SINGLE HEAD SET SCREW WRENCHES**Straight Opening**

Any one of these wrenches can be milled one size larger or smaller if desired

No.	For Set Screw, Size	Extreme Length	Thickness of Head	PRICE EACH			No.
				Un-finished	Semi-finished	Finished	
280	$\frac{3}{16}$	3	$\frac{3}{16}$	\$0.08	\$0.12	\$0.16	280
281	$\frac{1}{4}$	3 $\frac{1}{4}$	$\frac{3}{16}$	.10	.15	.20	281
282	$\frac{5}{16}$	4 $\frac{1}{2}$	$\frac{1}{4}$	.12	.18	.24	282
283	$\frac{3}{8}$	5 $\frac{3}{8}$	$\frac{5}{16}$	.15	.23	.30	283
284	$\frac{7}{16}$	6	$\frac{3}{8}$	.20	.30	.40	284
285	$\frac{1}{2}$	6 $\frac{3}{4}$	$\frac{7}{16}$	.25	.38	.50	285
286	$\frac{9}{16}$	7 $\frac{1}{2}$	$\frac{1}{2}$	.27	.41	.54	286
287	$\frac{5}{8}$	8	$\frac{9}{16}$	.30	.45	.60	287
288	$\frac{3}{4}$	9	$\frac{5}{8}$	.35	.53	.70	288
289	$\frac{7}{8}$	10 $\frac{1}{2}$	$\frac{11}{16}$.42	.63	.84	289
290	1	12	$\frac{3}{4}$.50	.75	1.00	290
291	1 $\frac{1}{8}$	12	$\frac{13}{16}$.60	.90	1.20	291



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**DOUBLE HEAD SET SCREW TOOL POST WRENCHES**Holes broached. Closed end. $22\frac{1}{2}^\circ$ angle. Open end straight.

No.	Open End for Set Screws, Size, Inches	Closed End for Set Screws, Size, Inches	Length Over All, Inches	PRICE EACH			No.
				Un-finished	Semi-finished	Finished	
201	$\frac{7}{16}$	$\frac{7}{16}$	$5\frac{1}{2}$	\$0.21	\$0.32	\$0.42	201
202	$\frac{1}{2}$	$\frac{1}{2}$	6	.23	.35	.46	202
203	$\frac{9}{16}$	$\frac{9}{16}$	6	.23	.35	.46	203
204	$\frac{5}{8}$	$\frac{5}{8}$	$6\frac{3}{4}$	.30	.45	.60	204
205	$\frac{11}{16}$	$\frac{11}{16}$	$6\frac{3}{4}$	.30	.45	.60	205
206	$\frac{3}{4}$	$\frac{3}{4}$	$7\frac{1}{2}$	.35	.52	.70	206

SINGLE HEAD BOX WRENCHES $22\frac{1}{2}^\circ$ Angle

Unfinished Wrenches have Broached Opening

No.	For Set Screw, Size	Length	Thickness of Head	PRICE EACH			No.
				Un-finished	Semi-finished	Finished	
107	$\frac{3}{16}$	3	$\frac{1}{8}$	\$0.09	\$0.12	\$0.18	107
108	$\frac{1}{4}$	$3\frac{3}{8}$	$\frac{3}{16}$	.10	.15	.20	108
109	$\frac{5}{16}$	$3\frac{3}{8}$	$\frac{1}{8}$	.11	.17	.22	109
110	$\frac{3}{8}$	$4\frac{1}{4}$	$\frac{3}{8}$	.13	.20	.26	110
111	$\frac{7}{16}$	$4\frac{1}{2}$	$\frac{7}{16}$	.16	.24	.32	111
112	$\frac{1}{2}$	$5\frac{1}{2}$	$\frac{13}{32}$	.19	.28	.38	112
113	$\frac{9}{16}$	$6\frac{1}{4}$	$\frac{1}{2}$	.22	.33	.44	113
114	$\frac{5}{8}$	7	$\frac{9}{16}$.26	.39	.52	114
115	$\frac{3}{4}$	8	$\frac{5}{8}$.30	.45	.60	115
116	$\frac{7}{8}$	9	$\frac{11}{16}$.36	.54	.72	116
117	1	10	$\frac{3}{4}$.44	.66	.88	117



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**CHECK NUT WRENCHES**

15° Angle, Single Head, Very Thin
For Check, Jam or Lock Nuts

No.	For U. S. Standard Nut; Size Bolts	Opening, Milled	Ex-treme Length	Thick-ness Head	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
800	$\frac{5}{16}$	$\frac{11}{32}$	4 $\frac{1}{4}$	$\frac{11}{64}$	\$0.11	\$0.17	\$0.22	800
801	$\frac{7}{16}$	$\frac{13}{32}$	5 $\frac{1}{8}$	$\frac{7}{16}$	.13	.20	.26	801
802	$\frac{1}{2}$	$\frac{15}{32}$	5 $\frac{5}{8}$	$\frac{7}{16}$	.15	.23	.30	802
803	$\frac{5}{8}$	$\frac{17}{32}$	6 $\frac{1}{8}$	$\frac{1}{4}$	.18	.27	.36	803
804	$\frac{3}{4}$	$\frac{19}{32}$	6 $\frac{3}{8}$	$\frac{3}{8}$	.22	.33	.44	804
805	$\frac{7}{8}$	$\frac{21}{32}$	8 $\frac{1}{4}$	$\frac{1}{2}$	.28	.42	.56	805
806	1	$\frac{1}{16}$	10	$\frac{3}{8}$	.36	.64	.72	806
807	$\frac{1}{2}$	$\frac{1}{16}$	11 $\frac{1}{2}$	$\frac{1}{16}$	.46	.69	.92	807
808	1	$\frac{1}{8}$	13 $\frac{1}{4}$	$\frac{1}{2}$	.60	.90	1.20	808

CHECK NUT WRENCHES

"Thin", Double Head, 15° Angle

No.	For U. S. Standard Nuts; Size Bolts	Openings, Milled	Ex-treme Length	Thickness of Heads	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
825	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{11}{16}$ & $\frac{25}{32}$	6 $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{32}$	\$0.25	\$0.38	\$0.50	825
826	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{11}{16}$ & $\frac{7}{8}$	7 $\frac{1}{8}$	$\frac{3}{16}$ & $\frac{3}{32}$	.25	.38	.50	826
827	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{13}{32}$ & $\frac{3}{4}$	7 $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{32}$	.25	.38	.50	827
828	$\frac{7}{16}$ & $\frac{9}{16}$	$\frac{13}{32}$ & $\frac{3}{4}$	8	$\frac{3}{16}$ & $\frac{3}{32}$	.33	.50	.66	828
829	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{15}{32}$ & $\frac{3}{4}$	8 $\frac{1}{2}$	$\frac{3}{16}$ & $\frac{3}{32}$	.33	.50	.66	829
830	$\frac{1}{2}$ & $\frac{1}{2}$	$\frac{15}{32}$ & $\frac{1}{16}$	9	$\frac{3}{16}$ & $\frac{3}{32}$	.33	.50	.66	830
831	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{3}{32}$ & $\frac{1}{16}$	10 $\frac{3}{8}$	$\frac{9}{32}$ & $\frac{5}{16}$	.44	.66	.88	831
832	$\frac{9}{16}$ & $\frac{3}{4}$	$\frac{3}{32}$ & $\frac{1}{4}$	11	$\frac{9}{32}$ & $\frac{5}{16}$	.44	.66	.88	832
833	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{1}{16}$ & $\frac{1}{4}$	11 $\frac{1}{2}$	$\frac{9}{32}$ & $\frac{5}{16}$	.44	.66	.88	833
834	$\frac{5}{8}$ & $\frac{7}{8}$	$\frac{1}{16}$ & $\frac{1}{4}$	12 $\frac{5}{8}$	$\frac{5}{16}$ & $\frac{7}{16}$.60	.90	1.20	834
835	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{4}$ & $\frac{1}{16}$	13	$\frac{5}{16}$ & $\frac{7}{16}$.60	.90	1.20	835
836	$\frac{3}{4}$ & 1	$\frac{1}{4}$ & $\frac{1}{8}$	14	$\frac{5}{16}$ & $\frac{7}{16}$.60	.90	1.20	836



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**GENERAL PURPOSE WRENCHES**

22½° Angle

For Carriage and Automobile Builders and for General Service in which a long, light wrench is required.

Milled regularly to dimensions shown below.

Can be milled to special combinations when required.

No.	Openings Finished Inches	Extreme Length Inches	Thickness of Heads, Inches	PRICE EACH			No.
				Un- finished	Semi- finished	Finished	
500	3/8 & 1/2	6 1/4	7/32	\$0.13	\$0.20	\$0.26	500
500A	3/8 & 1/2	6 1/4	7/32	.13	.20	.26	500A
500B	13/32 & 1/2	6 1/4	7/32	.13	.20	.26	500B
500C	1/4 & 5/16	6 1/4	7/32	.13	.20	.26	500C
501	1/4 & 9/16	7 1/8	1/4	.17	.25	.34	501
501A	1/4 & 9/16	7 1/8	1/4	.17	.25	.34	501A
501B	3/32 & 1/2	7 1/8	1/4	.17	.25	.34	501B
501C	3/32 & 1/2	7 1/8	1/4	.17	.25	.34	501C
502	5/8 & 3/4	8 1/4	5/16	.22	.33	.44	502
502A	5/8 & 3/4	8 1/4	5/16	.22	.33	.44	502A
502B	5/8 & 3/4	8 1/4	5/16	.22	.33	.44	502B
502C	9/16 & 3/2	8 1/4	5/16	.22	.33	.44	502C
503	3/4 & 1 1/8	9 1/4	3/8	.28	.42	.56	503
503A	3/4 & 1 1/8	9 1/4	3/8	.28	.42	.56	503A
503B	25/32 & 1 1/8	9 1/4	3/8	.28	.42	.56	503B
503C	11/16 & 1 1/8	9 1/4	3/8	.28	.42	.56	503C
504	7/8 & 1	10 3/8	7/16	.34	.51	.68	504
504A	7/8 & 1	10 3/8	7/16	.34	.51	.68	504A
504B	7/8 & 1 1/16	10 3/8	7/16	.34	.51	.68	504B
505	1 & 1 1/8	12	1/2	.44	.66	.88	505
505A	1 & 1 1/8	12	1/2	.44	.66	.88	505A
505B	1 1/16 & 1 1/4	12	1/2	.44	.66	.88	505B
505C	1 1/8 & 1 1/4	12	1/2	.44	.66	.88	505C

OBSOLETE
See Rev. 1/24/22



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**GENERAL PURPOSE WRENCHES**

In Sets

**SET A**

Contains 5 Wrenches, one each of the following:

No.	Manufacturers' Standard Nuts, Size Bolts, Inches	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
500	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{16}$ & $\frac{1}{4}$	6 $\frac{1}{2}$	$\frac{7}{32}$	\$0.13	\$0.20	\$0.26	500
501	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	7 $\frac{1}{2}$	$\frac{1}{4}$	.17	.25	.34	501
502	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	8 $\frac{1}{2}$	$\frac{5}{16}$	.22	.33	.44	502
503	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	9 $\frac{1}{2}$	$\frac{3}{8}$	.28	.42	.56	503
504	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	10 $\frac{1}{2}$	$\frac{7}{16}$	.34	.51	.68	504
Packed one set in cardboard box					1.14	1.71	2.28	
Packed one set in wooden box					1.30	1.85	2.45	
Packed one set in canvas roll					1.59	2.16	2.73	

SET B

Contains 5 Wrenches, one each of the following:

No.	Manufacturers' Standard Nuts, Size Bolts, Inches	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
500	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{16}$ & $\frac{1}{4}$	6 $\frac{1}{2}$	$\frac{7}{32}$	\$0.13	\$0.20	\$0.26	500
502	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	8 $\frac{1}{2}$	$\frac{5}{16}$	.22	.33	.44	502
504	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	10 $\frac{1}{2}$	$\frac{7}{16}$	.34	.51	.68	504
Packed one set in cardboard box					.69	1.04	1.38	
Packed one set in wooden box					.85	1.20	1.54	
Packed one set in canvas roll					1.14	1.49	1.83	

SET D

Contains 5 Wrenches, for A. L. A. M. Standard Nuts and Cap Screws, one each of the following:

No.	For A. L. A. M. Standard Nuts and Cap Screws, Size of Bolts, or Cap Screws	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
500	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	6 $\frac{1}{2}$	$\frac{7}{32}$	\$0.13	\$0.20	\$0.26	500
502A	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	8 $\frac{1}{2}$	$\frac{5}{16}$	.22	.33	.44	502A
503	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	9 $\frac{1}{2}$	$\frac{3}{8}$	.28	.42	.56	503
504A	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	10 $\frac{1}{2}$	$\frac{7}{16}$	.34	.51	.68	504A
505C	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	12	$\frac{1}{2}$	.44	.66	.88	505C
Packed one set in cardboard box					1.41	2.12	2.82	
Packed one set in wooden box					1.57	2.27	2.99	
Packed one set in canvas roll					1.86	2.57	3.27	



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GENERAL PURPOSE WRENCHES In Sets

**SET C**

Contains 3 Wrenches, one each of the following:

No.	U. S. Standard Nuts, Size Bolts, Inches	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.	
					Un-finished	Semi-finished	Finished		
500B	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{3}{16}$ & $\frac{1}{4}$	6 $\frac{1}{2}$	$\frac{7}{16}$	\$0.13	\$0.20	\$0.26	500B	
501B	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	7 $\frac{1}{2}$	$\frac{7}{16}$	.17	.25	.34	501B
503B	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	9 $\frac{1}{2}$	$\frac{7}{16}$	.28	.42	.56	503B
Packed one set in cardboard box						.58	.87	1.16	
Packed one set in wooden box						.74	1.02	1.33	
Packed one set in canvas roll						1.03	1.32	1.61	

SET E

Contains 6 Wrenches, twelve much used openings, no duplicates, as follows:

No.	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.	
				Unfinished	Semi-finished	Finished		
500A	$\frac{1}{8}$ & $\frac{1}{4}$	6 $\frac{1}{2}$	$\frac{3}{16}$	\$0.13	\$0.20	\$0.26	500A	
501A	$\frac{1}{8}$ & $\frac{3}{8}$	7 $\frac{1}{2}$	$\frac{3}{16}$	.17	.25	.34	501A
502B	$\frac{1}{8}$ & $\frac{1}{2}$	8 $\frac{1}{2}$	$\frac{3}{16}$	.22	.33	.44	502B
503A	$\frac{1}{8}$ & $\frac{3}{4}$	9 $\frac{1}{2}$	$\frac{3}{16}$	.30	.42	.56	503A
504	$\frac{1}{4}$ & 1	10 $\frac{1}{2}$	$\frac{3}{16}$	.34	.51	.68	504
505C	1 & 1 $\frac{1}{4}$	12	$\frac{3}{16}$	.44	.66	.88	505C
Packed one set in cardboard box					1.58	2.37	3.16	
Packed one set in wooden box					1.74	2.52	3.33	
Packed one set in canvas roll					2.03	2.82	3.61	

SET F

Contains 6 Wrenches, twelve openings, no duplicates, as follows:

No.	Openings Finished, Inches	Extreme Length, Inches	Thickness of Heads, Inches	PRICE EACH			No.	
				Unfinished	Semi-finished	Finished		
500C	$\frac{1}{4}$ & $\frac{3}{8}$	6 $\frac{1}{2}$	$\frac{3}{16}$	\$0.13	\$0.20	\$0.26	500C	
500A	$\frac{1}{4}$ & $\frac{1}{2}$	6 $\frac{1}{2}$	$\frac{3}{16}$	.13	.20	.26	500A
501C	$\frac{1}{4}$ & $\frac{5}{8}$	7 $\frac{1}{2}$	$\frac{3}{16}$	.17	.25	.34	501C
502C	$\frac{1}{4}$ & 1	8 $\frac{1}{2}$	$\frac{3}{16}$	.22	.33	.44	502C
503C	$\frac{1}{4}$ & 1 $\frac{1}{4}$	9 $\frac{1}{2}$	$\frac{3}{16}$	.28	.42	.56	503C
504B	$\frac{1}{2}$ & 1 $\frac{1}{4}$	10 $\frac{1}{2}$	$\frac{3}{16}$	.34	.51	.68	504B
Packed one set in cardboard box					1.27	1.91	2.54	
Packed one set in wooden box					1.43	2.07	2.70	
Packed one set in canvas roll					1.72	2.30	2.99	



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**TEXTILE MACHINE WRENCHES****Double Head, 22 $\frac{1}{2}$ ° Angle**

For Standard Hexagon or Square Nuts

Number	Length, Inches	Thick-ness of Head	For Standard Hex. Nuts: Size Bolts	Size of Openings	PRICE EACH			Number
					Unfin-ished	Semi-finished	Finished	
550	4 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$ x $\frac{1}{2}$	$\frac{1}{4}$ x $\frac{1}{2}$	\$0.15	\$0.23	\$0.30	550
550A	4 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.15	.23	.30	550A
551	5 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.20	.30	.40	551
551A	5 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.20	.30	.40	551A
552	7	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.25	.38	.50	552
552A	7	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.25	.38	.50	552A
553	8	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.30	.45	.60	553
553A	8	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.30	.45	.60	553A
554	9 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.38	.57	.76	554
554A	9 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.38	.57	.76	554A
555	10 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.50	.75	1.00	555
555A	10 $\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$ x $\frac{3}{8}$	$\frac{1}{4}$ x $\frac{1}{2}$	.50	.75	1.00	555A

DOUBLE HEAD "S" WRENCHES**22 $\frac{1}{2}$ ° Angle**

OBSOLETE
See Revised List.

Number	Size of Opening, Inches	Thickness of Head, Inches	Length Over All, Inches	PRICE EACH			Number
				Unfinished	Semi-finished	Finished	
220	$\frac{3}{8}$ & $\frac{1}{2}$	$\frac{1}{16}$	4	\$0.13	\$0.20	\$0.26	220
221	$\frac{1}{2}$ & $\frac{3}{4}$	$\frac{9}{16}$	5	.17	.26	.34	221
222	$\frac{3}{4}$ & $\frac{1}{2}$	$\frac{13}{16}$	6	.22	.33	.43	222
223	$\frac{1}{2}$ & 1	$\frac{1}{8}$	7	.25	.38	.50	223
224	1 & $1\frac{1}{8}$	$\frac{1}{8}$	8	.30	.45	.60	224
225	$1\frac{1}{16}$ & $1\frac{1}{4}$	$\frac{1}{16}$	9	.36	.54	.72	225



TRADE

BONNEY

MARK



TEXTILE MACHINE WRENCHES



In Sets

SET No. 10

Each set consists of one each Textile Wrench, Nos. 550, 551, 552, 553, 554 and 555.	PRICES			EXPORT PACKING			
	Price per set, Unfin.	Price per set, Semi-fin.	Price per set, Finished	No. sets to case	Net Wght lbs.	Gross Wght lbs.	Measurements each case
Cardboard box.....	\$1.78	\$2.08	\$3.56	50	225	265	12½ x 14½ x 24½
Wooden box, slide cover	1.93	2.83	3.71	50	241	285	13½ x 29½ x 19½
Canvas case.....	2.25	3.13	4.01	50	225	265	12½ x 14½ x 24½

SELECTED SET No. 12

Set of five wrenches containing openings for every size bolt from $\frac{3}{16}$ to $\frac{7}{8}$.

Each set consists of one each Textile Wrench, Nos. 550, 551, 553A, 554 and 555A.	PRICES			EXPORT PACKING			
	Price per set, Unfin.	Price per set, Semi-fin.	Price per set, Finished	No. sets to case	Net Wght lbs.	Gross Wght lbs.	Measurements each case
Cardboard box.....	\$1.53	\$2.30	\$3.06	50	200	240	12½ x 14½ x 24½
Wooden box, slide cover	1.68	2.45	3.21	50	216	260	13½ x 29½ x 19½
Canvas case.....	1.98	2.75	3.51	50	200	240	12½ x 14½ x 24½



TRADE

BONNEY

MARK



CONSTRUCTION WRENCHES AND CAR BUILDERS' WRENCHES



15° Angle

Unfinished wrenches have milled openings. Special sizes milled to order.

The round tang is for bringing bolt or rivet holes into line, and can be inserted into convenient openings.

No.	For U. S. Standard Nut; Bolt Size	Openings Finish'd	Length	Thick-ness of Head	PRICE EACH			No.
					Un-finished	Semi-finished	Finished	
451	$\frac{3}{8}$	$\frac{11}{16}$	9	$\frac{11}{32}$	\$0.20	\$0.30	\$0.40	451
452	$\frac{1}{2}$	$\frac{3}{4}$	11	$\frac{7}{16}$	.32	.48	.64	452
453	$\frac{5}{16}$	$\frac{31}{32}$	12	$\frac{1}{2}$	.40	.60	.80	453
454	$\frac{1}{2}$	$\frac{1}{16}$	14	$\frac{9}{16}$	.50	.75	1.00	454
455	$\frac{3}{4}$	$\frac{1}{4}$	16	$\frac{5}{8}$	.65	.97	1.30	455
456	$\frac{7}{8}$	$\frac{1}{16}$	17½	$\frac{11}{16}$	.85	1.28	1.70	456
457	1	$\frac{1}{8}$	19	$\frac{3}{4}$	1.10	1.65	2.20	457

STRUCTURAL WRENCHES

Same as above, but with straight opening and off-set heads.

No.	For U. S. Standard Nut; Size Bolt	Opening	Extreme Length	Thickness of Head	PRICE EACH		No.
					Un-finished	Semi-finished	
481	$\frac{3}{8}$	$\frac{23}{32}$	9	$\frac{11}{32}$	\$0.20	\$0.30	481
482	$\frac{1}{2}$	$\frac{3}{4}$	11	$\frac{7}{16}$	.32	.48	482
483	$\frac{5}{16}$	$\frac{11}{16}$	12	$\frac{1}{2}$	.35	.53	483
484	$\frac{1}{2}$	$\frac{1}{8}$	14	$\frac{9}{16}$	.50	.75	484
485	$\frac{3}{4}$	$\frac{1}{16}$	16	$\frac{5}{8}$	.65	.97	485
486	$\frac{7}{8}$	$\frac{1}{8}$	17½	$\frac{11}{16}$	.85	1.28	486
487	1	$\frac{1}{4}$	19	$\frac{3}{4}$	1.10	1.65	487



TRADE

BONNEY

MARK



DOUBLE HEAD CAR WRENCHES



22½° Angle, Long Leverage

Unfinished are milled only.

Semi-finished are milled, edges ground and case-hardened all over. Bright heads.

In stock for U. S. Standard nuts.

Finished wrenches can be supplied at double unfinished price.

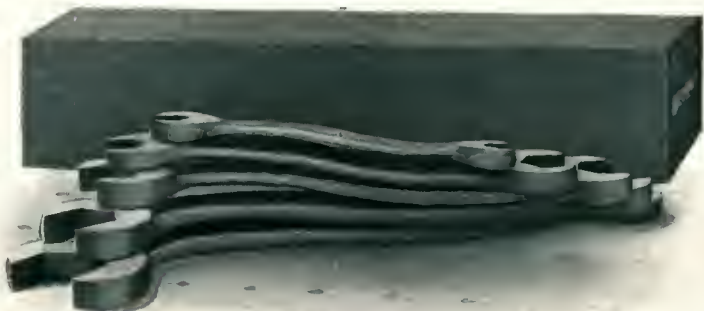
No.	For U. S. Standard Nuts; Size Bolts	Openings	Extreme Length	Thickness Heads	PRICE EACH		No.
					Un-finished	Semi-finished	
367	3/8	1 1/2	12	7/16	\$0.50	\$0.75	367
370	1/2	2 3/8	19	1/2	.85	1.28	370
371	5/8	3 1/8	19	1/2	.85	1.28	371
372	3/4	3 1/2	20	1/2	.92	1.38	372
373	7/8	3 3/4	20	1/2	.92	1.38	373
374	1	4	21	1/2	1.00	1.50	374
375	1 1/8	4 1/8	21	1/2	1.00	1.50	375
376	1 1/4	4 1/4	21	1/2	1.00	1.50	376
377	1 1/2	4 1/2	22	1/2	1.10	1.65	377
378	1 3/8	4 3/8	22	1/2	1.10	1.65	378
379	1 1/2	4 1/2	22	1/2	1.10	1.65	379
380	1 3/4	4 3/4	23	1/2	1.23	1.85	380
381	1 7/8	4 7/8	23	1/2	1.23	1.85	381
382	1 1/2	4 1/2	23	1/2	1.23	1.85	382
383	1 1/4	4 1/4	24	1/2	1.40	2.10	383
385	1 1/8	4 1/8	24	1/2	1.40	2.10	385
387	1 1/2	4 1/2	25	1/2	1.70	2.55	387
389	1 1/4	4 1/4	25	1/2	1.70	2.55	389



TRADE

BONNEY

MARK

**BONNEY MALLEABLE GENERAL PURPOSE WRENCHES****Double Head 22½° Angle**

These wrenches are made of the highest grade of malleable iron and are particularly designed for household, farm and automobile use. They are so constructed that it is practically impossible to break them with any ordinary use. The price at which a set of five may be sold at retail, namely 50c., except in the far west and Canada, makes this a particularly attractive and rapid selling line.

Packed for domestic trade, twenty-four sets to the case as shown on next page.

No.	Openings Inches	Length, Inches	Price per Doz., Plain Heads	Price per Doz., Polished Heads	No.
A	3 8 x 1 2	5½	\$0.60	\$0.80	A
B	3 16 x 1 5	6½	.80	1.00	B
C	1 16 x 1 5	7½	1.00	1.20	C
D	1 16 x 1 5	8½	1.20	1.40	D
E	1 16 x 1 5	9½	1.40	1.60	E

Packed ½ doz. in cardboard box.

PACKED IN SETS OF FIVE
One each of sizes A—E, inclusive

One set packed in cardboard box with Polished Heads.....\$0.50
 One set packed in cardboard box with Plain Heads..... 0.42
 Weight each set, 2½ lbs.

EXPORT PACKING OF MALLEABLE GENERAL PURPOSE WRENCHES

No. sets to case	Net Weight	Gross Weight	Measurements
100	209 lbs.	245 lbs.	36 x 13½ x 17

BONNEY MALLEABLE GENERAL PURPOSE WRENCHES



These Wrenches are made of the highest grade malleable iron, which gives plenty of strength for any ordinary purpose, and are carefully finished with polished heads. Each set consists of five wrenches, ten openings, packed in a strong individual carton, and there are Two Dozen Sets to the Case.

With each case is enclosed, **FREE OF CHARGE**, a **SHOP CAP** and a Sample "**BONNEY BOX TOOL**" which is strong enough to open the heaviest case, but so small that it can be conveniently carried in the pocket.

These Wrenches should be sold over the counter at not less than Fifty Cents a set. In Canada and the Far West the retail price is Seventy-five Cents per set.

Price per case, \$12.00. Weight per case, 60 lbs.

BONNEY MALLEABLE MACHINERY WRENCHES



These Wrenches are made of the same strong material as our Malleable General Purpose Wrenches; namely, of the highest grade of malleable iron carefully cast so that they are strong, tough and practically unbreakable. The heads are polished.

Each set consists of six wrenches, twelve openings, ranging from $\frac{3}{8}$ " to $1\frac{1}{4}$ " by sixteenths; packed one set to a carton, Twenty-four Sets to a Case.

Included with each case of twenty-four sets, **FREE OF CHARGE**, is a **SHOP CAP** and a sample **BONNEY "JACK RABBIT" WRENCH**, a very handy tool, light yet serviceable, containing openings for eight different sizes of nuts.

These sets should be sold over the counter at not less than 50 cents a set, 75 cents a set in the Far West and Canada.

Price per case, \$12.00. Weight per case, 55 lbs.



TRADE

BONNEY

MARK

**BONNEY MALLEABLE MACHINERY WRENCHES****Double Head 15°**

Bonney Malleable Machinery Wrenches are made of the same high grade material as Bonney Malleable General Purpose Wrenches. They are designed for use of such customers as prefer a 15° angle wrench to a 22½° angle wrench. They are slightly shorter than the wrenches for the same size openings in the General Purpose Series but are equally as strong and as well made. These should be sold at 50c. per set of six, at retail, except in the far west and Canada. Packed for domestic trade, twenty-four sets to the case, as shown on preceding page.

No.	Openings Inches	Length Inches	Price per Doz. Plain Heads	Price per Doz. Polished Heads	No.
F	3/8 x 7/16	3 3/8	\$0.55	\$0.65	F
G	1/2 x 9/16	4 1/8	.65	.80	G
H	5/8 x 1 1/16	5 1/8	.80	.95	H
I	3/4 x 1 3/16	6 1/8	.90	1.10	I
J	7/8 x 1 1/2	7 1/8	1.00	1.20	J
K	1 1/8 x 1 3/4	8 1/8	1.10	1.30	K

Packed one-half dozen in cardboard box.

PACKED IN SETS OF SIX
One Each Size F—K Inclusive

One set packed in cardboard box with polished heads.....\$0.50
 One set packed in cardboard box with Plain Heads..... 0.42

Weight each set, 2 lbs.

EXPORT PACKING OF MALLEABLE
MACHINERY WRENCHES

No. sets to case	Net Weight	Gross Weight	Measurements
100	200 lbs.	235 lbs.	26 1/4 x 15 x 9 1/4



TRADE

BONNEY

MARK

**BONNEY "CROCODILE" WRENCHES**

No. 0, 1 and 21 Crocodile Wrenches are stamped from high grade sheet steel. The teeth are milled and the jaws are carefully hardened.

No. 0 and No. 1 have black satin finish and polished jaws.

No. 21 is the same as No. 1 but is polished, case hardened, mottled and lacquered.

No. 1 M is malleable iron, nickel plated.

No.	Length	Holds pipe	Holds round iron	Price per doz.	Wt. per doz.
0	4"	1" to 1"	1" to 16"	\$3.00	1 1/4 lbs.
1	5 3/4"	1 1/8" to 3 3/8"	1 1/4" to 3 3/4"	4.00	3 1/2 "
21	5 3/4"	1 1/8" to 3 3/8"	1 1/4" to 3 3/4"	8.00	3 1/2 "
1M	5 3/4"	1 1/8" to 3 3/8"	1 1/4" to 3 3/4"	10.00 per gross	2 1/2 "

Packed 1 doz. in a box.



Nos. 1 1/2 and 1 3/4 are drop-forged, teeth milled diagonally and jaws hardened and polished. The steel used in the manufacture of all drop-forged "Crocodile" Wrenches is high in carbon and of special analysis.

No.	Length	Holds pipe	Holds round iron	Price per doz.	Wt. per doz.
1 1/2	5 3/4"	1 1/8" to 3 3/8"	1 1/4" to 3 3/4"	\$4.50	4 lbs.
1 3/4	7"	1 1/8" to 3 3/8"	1 1/4" to 1 1/8"	8.00	8 1/2 "

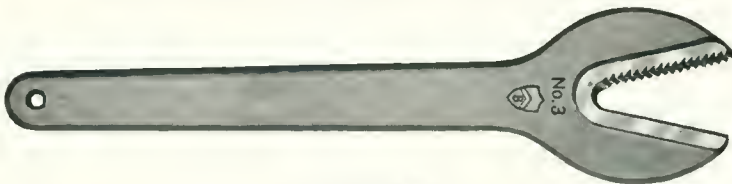
Packed 1/2 doz. in a box.



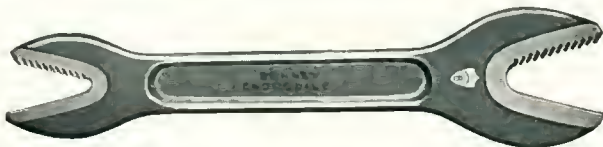
TRADE

BONNEY

MARK

**BONNEY "CROCODILE" WRENCHES****Drop-Forged**

No.	Length inches	Holds pipe, inches	Holds round iron, inches	Price, per doz.	Weight per doz.
2.....	9.....	$\frac{3}{8}$ to $\frac{3}{4}$	$\frac{1}{2}$ to 1.....	\$12.00....	13 lbs.
2 $\frac{1}{2}$	12 $\frac{1}{2}$	$\frac{3}{8}$ to 1.....	$\frac{1}{2}$ to 1 $\frac{1}{2}$	18.00....	18 $\frac{1}{2}$ "
3.....	15.....	$\frac{1}{2}$ to 1 $\frac{1}{4}$	$\frac{3}{4}$ to 1 $\frac{3}{8}$	24.00....	36 "
4.....	21.....	1 $\frac{1}{4}$ to 2.....	1 $\frac{1}{2}$ to 2 $\frac{1}{2}$	36.00....	78 "
4 $\frac{1}{2}$	24.....	1 $\frac{1}{2}$ to 2 $\frac{1}{2}$	1 $\frac{3}{4}$ to 3 $\frac{1}{4}$	50.00....	114 "
5.....	27.....	2 to 3.....	2 $\frac{1}{4}$ to 3 $\frac{1}{2}$	60.00....	147 "

All of the above sizes packed bulk, except No. 2, which is packed $\frac{1}{2}$ dozen to a box.

TWIN "CROCODILE" Drop-Forged, teeth milled diagonally, and jaws hardened and polished. The steel used is high in carbon and of a special analysis.

No.	Length inches	Holds pipe, inches	Holds round iron inches	Price, per doz.	Weight, per doz.
10	10	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{4}$ to 1	\$18.00	14 lbs.

Packed bulk.

EXPORT PACKING OF "CROCODILE" WRENCHES

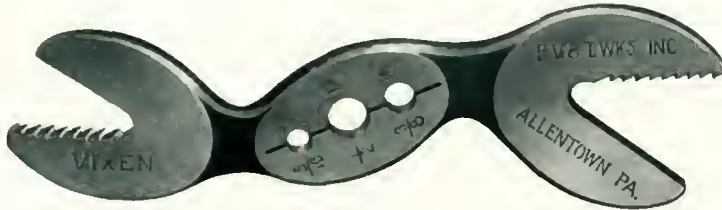
Size	No. to case	Net Weight lbs.	Gross Weight lbs.	Measurements, inches
0.....	144 doz.....	180.....	209.....	32 x 11 $\frac{1}{2}$ x 9
1.....	36 ".....	126.....	156.....	22 x 12 x 8
21.....	36 ".....	126.....	156.....	22 x 12 x 8
1M.....	36 ".....	90.....	120.....	22 x 12 x 8
1 $\frac{1}{2}$	50 ".....	212.....	256.....	32 x 18 x 12
1 $\frac{3}{4}$	30 ".....	250.....	291.....	31 $\frac{1}{2}$ x 12 $\frac{1}{2}$ x 12
2.....	25 ".....	325.....	364.....	32 x 17 x 15 $\frac{3}{4}$
2 $\frac{1}{2}$	20 ".....	368.....	405.....	32 x 12 $\frac{1}{2}$ x 14 $\frac{1}{2}$
3.....	10 ".....	360.....	398.....	24 $\frac{1}{2}$ x 14 $\frac{3}{8}$ x 17
4.....	3 ".....	234.....	262.....	23 x 14 $\frac{1}{2}$ x 10
4 $\frac{1}{2}$	1 ".....	114.....	150.....	26 x 9 x 6 $\frac{1}{4}$
5.....	1 ".....	147.....	179.....	29 x 10 x 8 $\frac{3}{4}$
10 (Twin).....	20 ".....	280.....	320.....	26 $\frac{3}{4}$ x 12 x 12



TRADE

BONNEY

MARK

**THE "VIXEN" WRENCH**

The "Vixen" Wrench is designed as a handy pocket tool for use around the farm or automobile. The two ends are milled with teeth of capacity to turn pipe from $\frac{1}{4}$ " to $1\frac{1}{4}$ ". The tapped holes in the center are made to restore or clean threads on bolts that have become bruised or battered. The openings are not intended to be used for cutting new threads. Vixen Wrenches are made in three finishes—Blue, White Nickel and Full Nickel. All finishes are drop-forged, ground, polished and hardened. Furnished in U. S. Standard or Whitworth Threads. Length over all, $7\frac{3}{4}$ ".

U. S. STANDARD THREADS $\frac{5}{16}$ -18, $\frac{1}{2}$ -13, $\frac{3}{8}$ -16
WHITWORTH THREADS $\frac{5}{16}$ -18, $\frac{1}{2}$ -12, $\frac{3}{8}$ -16

Finish	Weight per doz.	Price
Blue.....	11 lbs.	\$5.00 per doz.
White Nickel.....	11 "	7.00 "
Full Nickel.....	11 "	9.00 "

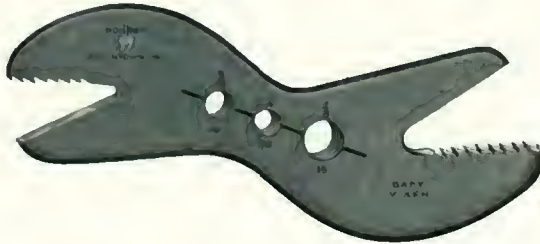
Packed $\frac{1}{2}$ doz. in cardboard box.

EXPORT PACKING OF "VIXEN" WRENCHES (All Finishes)

No. to case	Net Weight, lbs.	Gross Weight, lbs.	Measurements
20 doz.	220	261	$24\frac{1}{4}$ x $15\frac{3}{4}$ x $15\frac{3}{4}$



THE "BABY VIXEN" WRENCH



The "Baby Vixen" Wrenches are similar to "Vixen" wrenches, but smaller in size. The teeth will turn pipe from $\frac{1}{4}$ " to $\frac{3}{4}$ ". The tapped holes are furnished either U. S. Standard or Whitworth Threads as ordered, in sizes $\frac{5}{16}$, $\frac{1}{4}$ and $\frac{3}{8}$. Made in three finishes. Length, $5\frac{1}{2}$ ".

Finish	Weight per doz.	Price
Blue.....	6 lbs.	\$4.50 per doz.
Mottled.....	6 "	6.00 "
Full Nickel.....	6 "	7.50 "

Packed $\frac{1}{2}$ doz. in cardboard box.

EXPORT PACKING OF "BABY VIXEN" WRENCHES

No. to case	Net Weight	Gross Weight	Measurements
12 doz.	72 lbs.	87 lbs.	22 x 12 x 8



TRADE

BONNEY

MARK

**ALWAYS READY WRENCHES****Nickel Plated**

These wrenches are drop-forged from special wrench steel, are carefully ground and polished and are hardened to withstand the severest strain. They have a large range of openings and for their compactness are very handy pocket tools.

The nickel plating is absolutely the best and is guaranteed not to chip or peel.

No.	Length	Holds Pipe	Wt. per doz.	Price per doz.
1	5½ in.	¼ to ¾	6 lbs.	\$ 5.00
2	7 "	¼ " 1¼	11 "	6.75
2½	9¼ "	¼ " 1¾	25 "	10.50
3	11 "	¼ " 1¾	37 "	16.00

Packed ½ doz. in cardboard box.

**Black**

The Black Always Ready Wrenches are the same in weight, length and capacity as the nickel plated, but are made with polished jaws which appear in relief.

No.	Length	Holds Pipe	Wt. per doz.	Price per doz.
1	5½ in.	¼ to ¾	6 lbs.	\$ 4.50
2	7 "	¼ " 1¼	11 "	6.25
2½	9¼ "	¼ " 1¾	25 "	10.00
3	11 "	¼ " 1¾	37 "	15.25

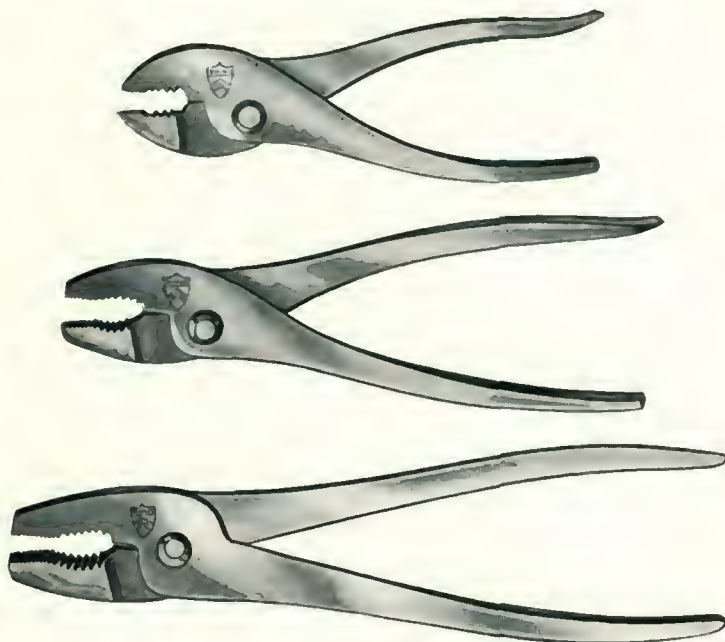
Packed ½ doz. in cardboard box.

EXPORT PACKING OF ALWAYS READY WRENCHES—SAME PACKING FOR BOTH FINISHES

Size	No. to case	Net Wt. Lbs.	Gross Wt. lbs.	Measurements
1	12 doz.	72	87	22 x 12 x 8
2	15 "	167	190	22½ x 15½ x 9½
2½	15 "	375	415	24½ x 16 x 16
3	6 "	222	257	21½ x 14½ x 13



BONNEY COMBINATION PLIERS



Bonney Combination Pliers are drop-forged from high carbon steel, are carefully machined, hardened and polished. They are made in two finishes; Polished and Nickel Plated, and Blued. Each Plier combines a regular plier, wire cutter and screw driver.

The opening of the jaw can be enlarged to a very wide capacity by turning the handle slightly and by sliding the rivet from one hole to the other.

These pliers are used generally by mechanics of all kinds. They have become absolutely indispensable about an Automobile or Motoreyele.

They are packed in individual cardboard cartons.

PRICE LIST

Size	Capacity	Polished and Nickel Plated	Blued
6"	$\frac{3}{4}$ " pipe	\$15.00	\$13.50
8"	1" pipe	18.00	16.00
10"	$1\frac{1}{4}$ " pipe	21.00	18.00

PACKED FOR EXPORT

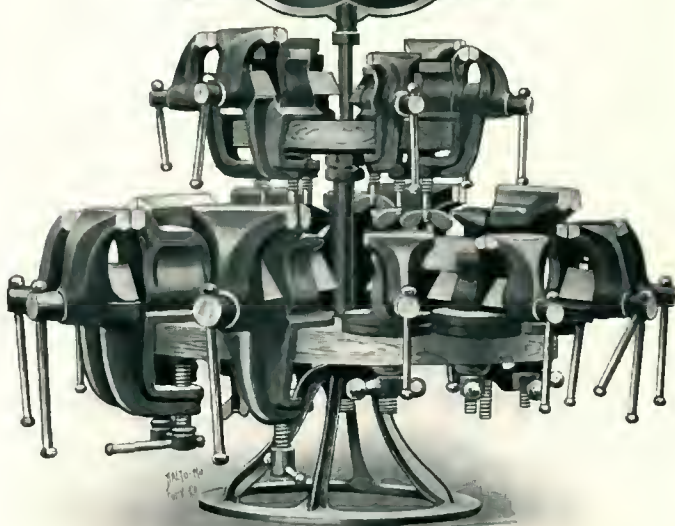
Size	No. to case	Net Weight, lbs.	Gross Wt., lbs.	Measurements
6"	24 doz.	160	195	30 x 17 x $9\frac{1}{2}$
8"	24 "	198	240	30 x $10\frac{1}{2}$ x 19
10"	12 "	156	190	24 x $12\frac{1}{2}$ x 17



TRADE

BONNEY

MARK

**CHAMPION VISES IN SETS****Set No. C1 and No. C2**

This stand is designed for use in stores where complete stock of all sizes of **CHAMPION VISES** are carried. As there is only one of each size and pattern of vise, the assortment is suitable for display only.

No. C 1 set includes one each of every size of Champion Vise with clamp base. No. C 2 set includes No. C 1 set and one each of every size of swivel base Champion Vise.

PRICE LIST

Set No. C1. Sample stand and 12 vises, price per set.....\$20.75
 Set No. C2. Sample stand and 18 Vises, price per set..... 34.75

EXPORT PACKING OF No. C1 AND No. C2 SETS

	No. sets to case	Net wt. per case	Gross wt. per case	Measurements
Set No. C 1.....	1	56 lbs.	78 lbs.	25 x 14 x 7
Set No. C 2.....	1	86 "	115 "	25 x 14 x 10½



TRADE

BONNEY

MARK

**CHAMPION VISES, IN SETS****Set No. 5**

Set No. 5 contains twelve Champion Vises. All except one are of the clamp base pattern. They are all warranted.

This is an excellent assortment for a small store which has a trade almost exclusively for high grade tools.

Each set packed in a strong case ready for reshipment.

LIST PRICE, SET No. 5

Quantity	No.	Description	Size of jaw	Weight each	Price
3.....	112.....	Steel front jaw.....	1½ inches..	1¼ lbs.	\$1.13
2.....	113.....	Steel front jaw.....	1¾ " ..	1¾ " "	1.08
1.....	114.....	Steel front jaw.....	2 " ..	2½ " "	.75
1.....	115.....	Steel front jaw.....	2¼ " ..	2¾ " "	1.00
1.....	116.....	Steel jaws.....	2 " ..	2½ " "	1.25
1.....	117.....	Steel jaws and swivel jaw.....	2 " ..	2¾ " "	1.75
1.....	118.....	Steel front jaw.....	2½ " ..	3¾ " "	1.50
1.....	121.....	Steel front jaw.....	3 " ..	6¾ " "	2.00
1.....	127.....	Steel jaws and swivel base.....	2½ " ..	4¼ " "	2.00
Sample stand.....					1.04
Sample stand and 12 Vises, price per set.....					\$13.50

EXPORT PACKING OF No. 5 SET

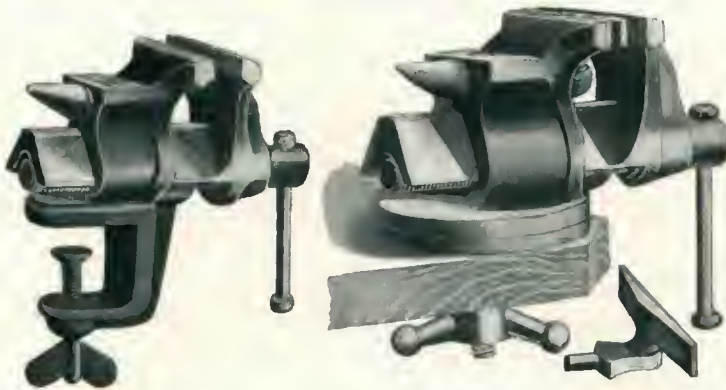
No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements
1	34 lbs.	50 lbs.	30¼ x 13 x 6½



TRADE

BONNEY

MARK

**BONNEY CHAMPION VISES**

Champion Vises are made especially for the most particular tool users and are warranted against defects and breakage.

They are manufactured in sizes from 1½ to 3-inch jaw with clamp base and some sizes in both clamp and swivel base designs.

All front jaws are made of high grade semi-steel and the back jaws of best quality gray iron. Some sizes have steel plates inserted in the back jaws. These are particularly desirable for jewelers, die makers and key filers who will use the vise for clamping a great many pieces of the same size.

The screws are turned from bar steel and have lathe cut threads.

All Champion Vises are finished in a bright red baking enamel and the jaws, screws, slides and anvils are highly polished.

Sizes 112 to 120 inclusive are packed two in a cardboard box; all other sizes in individual boxes.

PRICE LIST—Clamp Base

No.		Size of Jaw	Weight, each	Price, per doz.
112.....	Steel front jaw.....	1½ in.....	1½ lbs.....	\$ 4.50
113.....	Steel front jaw.....	1¾ ".....	1¾ ".....	6.50
114.....	Steel front jaw.....	2 ".....	2 ".....	9.00
115.....	Steel front jaw.....	2¼ ".....	2¼ ".....	12.00
116.....	Steel jaws.....	2 ".....	2½ ".....	15.00
117.....	Steel and swivel jaw.....	2 ".....	2¾ ".....	21.00
118.....	Steel front jaw.....	2½ ".....	3¼ ".....	18.00
119.....	Steel jaws.....	2½ ".....	3¾ ".....	24.00
120.....	Steel jaws and swivel jaw.....	2½ ".....	4 ".....	30.00
121.....	Steel front jaw.....	3 ".....	6¾ ".....	24.00
122.....	Steel jaws.....	3 ".....	6¾ ".....	30.00
123.....	Steel jaws and swivel jaw.....	3 ".....	7 ".....	36.00

Swivel Base

No.		Size of Jaw	Weight, each	Price, per doz.
125.....	Steel jaws.....	2 in.....	3 lbs.....	\$15.00
126.....	Steel jaws and swivel jaw.....	2 ".....	3 ".....	21.00
127.....	Steel jaws.....	2½ ".....	4¼ ".....	24.00
128.....	Steel jaws and swivel jaw.....	2½ ".....	4¼ ".....	30.00
129.....	Steel jaws.....	3 ".....	8 ".....	36.00
130.....	Steel jaws and swivel jaw.....	3 ".....	8¼ ".....	42.00



TRADE

BONNEY

MARK

**BONNEY VISES, IN SETS****Set No. B-1**

This set is intended for display only. It should be used only in stores where complete stocks of all sizes of Bonney Vises are carried. Contains one each of every size of Bonney Vise from No. 1 to No. 9, inclusive. Each set is packed in a strong case ready for reshipment.

LIST PRICE, SET No. B-1

Quantity	No.	Description	Size of jaw	Wt. each	Price
1.....	1.....	Iron jaws.....	1 $\frac{1}{2}$ inches..	1 $\frac{1}{4}$ lbs.	\$ 0.31
1.....	1 $\frac{1}{2}$	Iron jaws.....	1 $\frac{3}{4}$ " ..	1 $\frac{3}{8}$ " "	.42
1.....	2.....	Iron jaws.....	2 " ..	1 $\frac{3}{4}$ " "	.54
1.....	2 $\frac{1}{2}$	Steel jaws.....	2 " ..	2 $\frac{1}{2}$ " "	.81
1.....	3.....	Steel jaws and swivel jaw.....	2 $\frac{1}{2}$ " ..	2 $\frac{3}{4}$ " "	1.00
1.....	3 $\frac{1}{2}$	Iron jaws.....	2 $\frac{3}{4}$ " ..	2 $\frac{3}{4}$ " "	.71
1.....	4.....	Iron jaws.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ " "	1.37
1.....	5.....	Iron jaws and swivel jaw.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ " "	1.63
1.....	6.....	Steel jaws.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ " "	1.63
1.....	7.....	Steel jaws and swivel jaw.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ " "	1.87
1.....	8.....	Steel jaws and swivel base.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ " "	1.63
1.....	9.....	Steel jaws, swivel jaw and swivel base....	2 $\frac{3}{4}$ " ..	4 $\frac{3}{4}$ " "	1.87
		Sample stand, length, 23 inches.....			1.21
		Sample stand and 12 Vises, price per set.....			\$15.00

EXPORT PACKING OF No. B-1 SET

No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements
1	45 lbs.	60 lbs.	30 $\frac{1}{2}$ x 13 x 6 $\frac{1}{2}$



TRADE

BONNEY

MARK

**BONNEY VISES, IN SETS****Set No. B-2**

This set is for use in small stores where a small stock of only a few sizes is carried. It is a particularly desirable assortment for wholesalers as it is packed ready for reshipment in a strong case, thus simplifying storage and reducing shipping expenses.

For replenishing the retail merchant's stock it is necessary for the wholesaler to have on hand a supply of only five sizes of Vises.

LIST PRICE, SET No. B-2

Quantity	No.	Description	Size of jaw	Wt. each	Price
3 each	1.....	Iron jaws.....	1½ inches..	1¼ lbs.	\$ 0.94
4 "	2.....	Iron jaws.....	2 " ..	1¾ "	2.16
2 "	3.....	Steel jaws and swivel jaw.....	2¼ " ..	2¾ "	2.00
2 "	4.....	Iron jaws.....	2¾ " ..	4¾ "	2.74
1 "	7.....	Steel jaws and swivel jaw.....	2¾ " ..	4½ "	1.87
		Sample stand.....			1.29
		Sample stand and 12 Vises, price per set.....			\$11.00

EXPORT PACKING OF No. B-2 SET

No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements
1	38 lbs.	60 lbs.	21½ x 15¾ x 6½



TRADE

BONNEY

MARK

**BONNEY AND CHAMPION VISES, IN SETS****Combination Set No. 3**

Combination Sets No. 3 and No. 4 are designed for retail stores having a demand for tools of various grades. These sets contain both Bonney and Champion Vises. The Bonney Vise very low in price and unwarranted, and the Champion Vise slightly higher in price and thoroughly warranted.

LIST PRICE, SET No. 3

Quantity	No.	Description	Size of Jaw	Wt. each	Price
6.....	1.....	Iron jaws (Bonney).....	1½ inches..	1½ lbs.	\$ 1.88
3.....	1½.....	Iron jaws.....	1¾ " ..	1½ "	1.25
3.....	2.....	Iron jaws.....	2 " ..	1¾ "	1.63
2.....	2½.....	Steel jaws.....	2 " ..	2½ "	1.63
2.....	3½.....	Iron jaws.....	2½ " ..	2¾ "	1.42
2.....	4.....	Iron jaws.....	2¾ " ..	4½ "	2.75
1.....	5.....	Iron jaws with swivel jaw..	2¾ " ..	4½ "	1.63
1.....	6.....	Steel jaws.....	2¾ " ..	4½ "	1.63
3.....	112....	Steel front jaw (Champion)..	1½ " ..	1½ "	1.13
2.....	113....	Steel front jaw.....	1¾ " ..	1¾ "	1.08
2.....	114....	Steel front jaw.....	2 " ..	2½ "	1.50
1.....	115....	Steel front jaw.....	2¼ " ..	2¾ "	1.00
1.....	117....	Steel front jaw and swivel jaw	2 " ..	2 " "	1.75
1.....	118....	Steel front jaw.....	2½ " ..	3 " "	1.50
1.....	119....	Steel jaws.....	2½ " ..	3¾ "	2.00
1.....	121....	Steel front jaw.....	3 " ..	6 " "	2.00
1.....	122....	Steel jaws.....	3 " ..	6¾ "	2.50
1.....	125....	Steel jaws and swivel base..	2 " ..	3 " "	1.25
1.....	129....	Steel jaws and swivel base..	3 " ..	8 " "	3.00
		Sample stand.....			1.47
		Sample stand and 35 Vises, price per set.....			\$31.00

EXPORT PACKING OF No. 3 SET

No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements
1	110 lbs.	138 lbs.	26 x 15 x 11



TRADE

BONNEY

MARK

**BONNEY AND CHAMPION VISES, IN SETS****Combination Set No. 4**

Set No. 4 is particularly recommended for medium size stores. The stand used in connection with this set takes up counter space of only 18 inches x 11 inches and is very attractive in appearance.

The use of this stand will not only increase vise sales but also add a very ornamental display fixture.

LIST PRICE, SET No. 4

Quantity	No.	Description	Size of Jaw	Wt. each	Price
6.....	1.....	Iron jaws (Bonney).....	1 $\frac{1}{2}$ inches..	1 $\frac{1}{4}$ lbs.	\$ 1.88
4.....	1 $\frac{1}{2}$	Iron jaws.....	1 $\frac{3}{4}$ " ..	1 $\frac{1}{2}$ "	1.67
2.....	2	Iron jaws.....	2 " ..	1 $\frac{1}{2}$ "	1.08
2.....	3 $\frac{1}{2}$	Iron jaws.....	2 $\frac{1}{4}$ " ..	2 $\frac{1}{4}$ "	1.42
1.....	4	Iron jaws.....	2 $\frac{3}{4}$ " ..	4 $\frac{1}{2}$ "	1.98
6.....	112.....	Steel front jaw (Champion)	1 $\frac{1}{2}$ " ..	1 $\frac{1}{4}$ "	2.25
2.....	113.....	Steel front jaw.....	1 $\frac{3}{4}$ " ..	1 $\frac{1}{2}$ "	1.08
2.....	114.....	Steel front jaw.....	2 " ..	2 $\frac{1}{2}$ "	1.50
1.....	115.....	Steel front jaw.....	2 $\frac{1}{4}$ " ..	2 $\frac{3}{4}$ "	1.00
1.....	118.....	Steel front jaw.....	2 $\frac{1}{2}$ " ..	3 $\frac{3}{4}$ "	1.50
Sample stand.....					1.24
Sample stand and 27 Vises. price per set.....					\$16.00

EXPORT PACKING OF No. 4 SET

No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements
1	59 lbs.	82 lbs.	22 $\frac{1}{2}$ x 15 $\frac{3}{4}$ x 6 $\frac{3}{4}$



TRADE

BONNEY

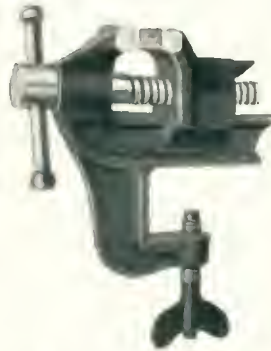
MARK

**BONNEY STANDARD VISES****Set No. 10**

Bonney Standard Vises are similar to Bonney Vises illustrated on page 47. There are only four sizes of this pattern. Two of these sizes are not made in Bonney Vises. These are No. 00 and No. 02½. The No. 00 has a one-inch jaw and the No. 02½ a 2½-inch jaw. This is an ideal assortment for the small retail store and is particularly attractive for wholesalers.

LIST PRICE SET No. 10

Quantity	No.	Description	Size of Jaw	Weight, each	Price
6	00	Iron jaws	1"	1 lb.	\$1.63
6	01	Iron jaws	1½"	1½ "	1.87
3	02	Iron jaws	2"	2¼ "	1.63
2	02½	Iron jaws	2½"	4 "	2.00
		Sample Stand			1.12
Sample Stand and 17 Vises					\$8.25
EXPORT PACKING OF No. 10 SETS					
No. sets to case	Net Wt. per case	Gross Wt. per case	Measurements		
1	31¾ lbs.	38 lbs.	13¼ x 10 x 6½		

BONNEY STANDARD VISES

Bonney Standard Vises are packed two in cardboard box. They are finished in black baking enamel with polished screws, jaws and anvils.

LIST PRICE

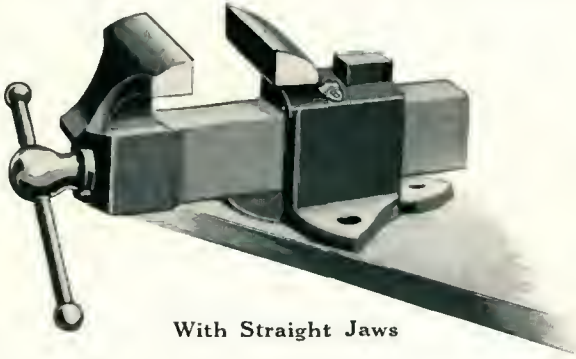
No.	Description	Size of Jaw	Weight, each	Price, per doz.
00	Iron jaws	1"	1 lb.	\$ 3.25
01	Iron jaws	1½"	1½ "	3.75
02	Iron jaws	2"	2¼ "	6.50
02½	Iron jaws	2½"	4 "	12.00



TRADE

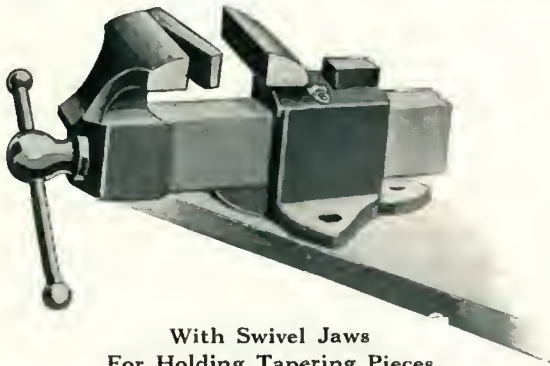
BONNEY

MARK

**BONNEY HERCULES JEWELERS VISES****With Straight Jaws**

Hercules Vises are made throughout of semi-steel castings and will with ordinary usage last a life-time. The main screws are turned from bar steel and securely fastened so that they cannot wear or pull out. All Hercules Vises are made so accurately that they comply with every need of Jewelers, both in delicacy of adjustment and perfection of jaw alignment. They are warranted against breakage of any kind.

No.	Length of Jaw	Opens	Weight	Finish	Price each
100	2"	2"	2 lbs. 2 ozs.	Red Enamel	\$3.00
101	2"	2"	2 " 2 "	Nickel Plated	4.50

BONNEY HERCULES JEWELERS VISES**With Swivel Jaws
For Holding Tapering Pieces**

No.	Length of Jaw	Opens	Weight	Finish	Price, each
200	2"	2"	2 lbs. 3 ozs.	Red Enamel	\$3.50
201	2"	2"	2 " 3 "	Nickel Plated	5.00



BONNEY IMPROVED FARMERS' VISES



Straight Jaws

These Vises have hardened tool steel jaws and swivel bases. The jaws have a particularly large range of openings. They are all machined accurately to a close fit and have steel lathe cut screws. The swivels are operated by a malleable iron handle which works on a nut. The adjustment of the swivel base can be made in any position and is accurate and positive.

The vises are finished in a bright maroon enamel and the jaws and anvils are highly polished.

No.	Length of Jaw	Opens, inches	Weight	Price, each
250 A	2½	3½	10 lbs.	\$2.25
300	3	4	16 "	3.50
350	3½	4½	21 "	4.75
400	4	5	26½ "	6.00

When desired, these vises are packed one in a wooden box, ready for reshipment.



TRADE

BONNEY

MARK

**BONNEY IMPROVED FARMERS' VISES****Swivel Jaws**

These Vises are the same in every respect as the vises listed on opposite page with the exception that the jaws have attached swivels.

No.	Length of Jaw	Opens, inches	Weight	Price, each
450	2½	3	10½ lbs.	\$3.25
500	3	3½	17 "	5.00
550	3½	4	22½ "	6.25
600	4	4½	28 "	7.50

When desired, these vises are packed one in a wooden box, ready for reshipment.



TRADE

BONNEY

MARK

**BONNEY AJAX MACHINISTS VISES****BOX SLIDE STATIONARY BASE**

Ajax Machinist Vises are made of special analysis iron. The screw is made of special threading steel. Jaws crucible tool steel, hardened and the nut malleable iron. All edges, corners and angles are rounded so as to reinforce points that would otherwise be weak.

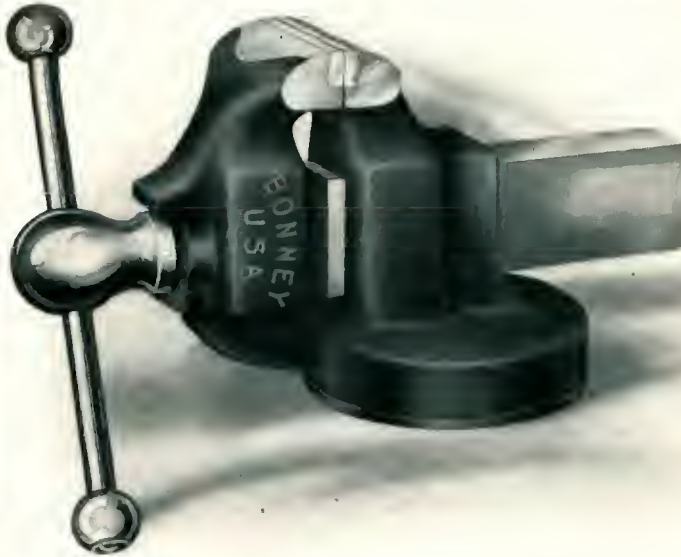
No.	Width of Jaw	Opens	Weight	Price, Each
30.....	2"	2"	8 lbs.....	\$ 4.00
31.....	2½"	2¾"	15 ".....	5.00
32.....	3"	4"	22 ".....	6.00
33.....	3½"	5½"	28 ".....	7.00
34.....	4"	6"	42 ".....	8.50
35.....	4½"	7"	59 ".....	10.00
36.....	5"	8"	77 ".....	13.00
37.....	5½"	9"	106 ".....	18.50
38.....	6"	10"	145 ".....	25.00
39.....	7"	12"	210 ".....	30.00



TRADE

BONNEY

MARK

**BONNEY AJAX MACHINISTS VISES****BOX SLIDE SWIVEL BASE**

Ajax Machinists Swivel Base Vises are of the same general design as the stationary Machinists Vises, but have a large strong swivel base which is adjusted by a hand nut. This method of adjustment gives no trouble and is very desirable.

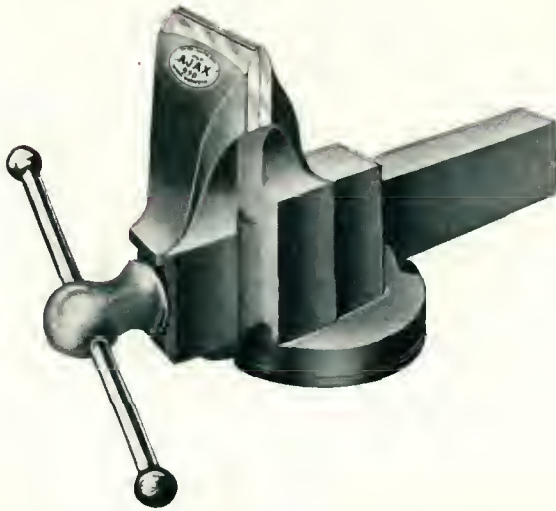
No.	Width of Jaw	Opens	Weight	Price, Each
880.....	2"	2"	12 lbs.....	\$ 5.00
890.....	2½"	2¾"	20 "	6.00
900.....	3"	4"	28 "	7.50
910.....	3½"	5½"	38 "	8.75
920.....	4"	6"	50 "	10.50
930.....	4½"	7"	68 "	12.50
940.....	5"	8"	85 "	16.00
950.....	5½"	9"	115 "	22.00
960.....	6"	10"	155 "	30.00
970.....	7"	12"	235 "	42.50



TRADE

BONNEY

MARK

**BONNEY "AJAX" WOODWORKERS' VISE**

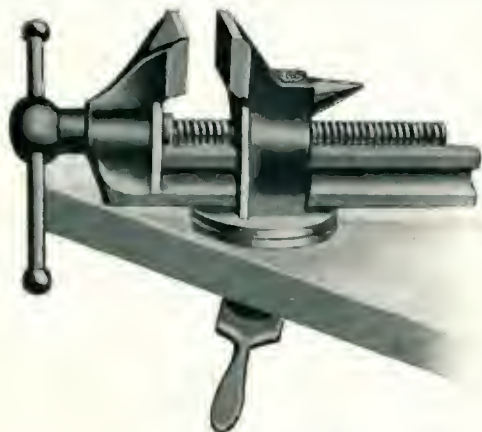
Ajax Woodworkers' Vises are similar in construction to Ajax Machinists Box Slide Vises. The jaws are very thin and flat. The steels inserted in the jaws are smooth to prevent scarring material held in the Vise.

These Vises can be turned in any position on the swivel base parallel with the floor and are locked by a turn of the hand nut. The grip is positive and swivel adjustment cannot slip.

No.	Width of Jaw	Opens	Weight	Price, each
990.....	4 $\frac{1}{4}$ ".....	9".....	50 lbs.....	\$11.50



BONNEY IMPROVED COACHMAKERS' VISES

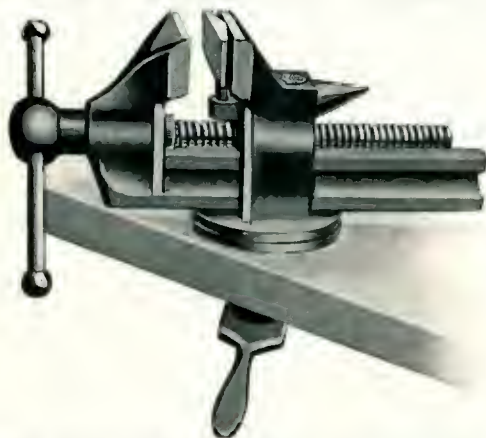


With Straight Jaws

Bonney Coachmakers' Vises are very similar in pattern to Bonney Improved Farmers' Vises. The difference exists only in the width of the face of the jaws and in the position of the jaws in relation to the main screw. The jaws of these Coachmakers' Vises are extended over the center of the screw on one side, thus furnishing a strong and secure grip for long pieces which would extend below the surface of the bench.

Main screws are steel with lathe cut threads and swivel adjustment is the same as on Bonney Farmers' Vises.

No.	Length of Jaw	Opens	Weight	Price, each
650	4"	8"	30 lbs.	\$7.00



With Swivel Jaw For Holding Tapering Pieces

No.	Length of Jaw	Opens	Weight	Price, each
700	4"	8"	31 lbs.	\$8.00



TRADE

BONNEY

MARK



THE GIPSY COMBINATION ANVIL VISE AND DRILLING MACHINE



(Patented)

The Gipsy Vise combines four different tools—Anvil, Straight Jaw Vise, Pipe Vise and Drill Press. It is the handiest tool made, for general repair work on the farm or ranch. Also a very useful tool for general repair work in garages.

The Anvil is 7 inches high, 12 inches long and has 4 inch face. The Vise Jaws are $5\frac{1}{2}$ inches wide and open 8 inches. The Pipe Jaws have a capacity from $\frac{1}{2}$ inch to 2 inch pipe. The Drill Spindle is made for square shank drills and can be removed when not in use.

Price Each - - - - - \$10.00

Weight each, 52 lbs.

Finished in green enamel.

EXPORT PACKING

No. to Case	Net Weight	Gross Weight	Measurements
2	104 lbs.	125 lbs.	22" x 9 $\frac{1}{2}$ " x 15 $\frac{1}{2}$ "



TRADE

BONNEY

MARK

**BONNEY INDISPENSABLE LATHE DOGS**

Indispensable Lathe Dogs are made of semi-steel castings and are carefully assembled to a close and accurate fit. The bosses are sufficiently large to allow retapping should this be necessary. The screws have U. S. Standard threads and dog points. They are carefully hardened to prevent wear.

One of the advantages of Indispensable Lathe Dogs is that a set of three will do all the work of sixteen Heavy Steel Dogs. This means a great saving as the mechanic need not spend his time looking for the proper size for his work.

Another advantage is that Indispensable Lathe Dogs can be attached to the work after it is centered on the lathe. This means a great saving in time on delicate work.

Indispensable Lathe Dogs are warranted against breakage or against defects of material or workmanship.

PRICE LIST

No.	Description	Capacity	Price, each
0	For jewelers and tool makers	$\frac{1}{4}$ " to $\frac{3}{4}$ "	\$1.00
1	For general lathe work	$\frac{1}{4}$ " to $1\frac{1}{4}$ "	1.50
2	For general lathe work	$\frac{1}{2}$ " to $2\frac{1}{4}$ "	2.50
3	For general lathe work	1" to $3\frac{1}{4}$ "	3.50

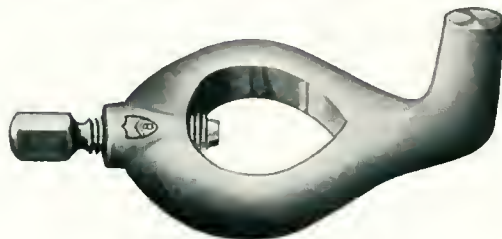
Price per set of three, one each from No. 1 to No. 3, capacity $\frac{1}{4}$ " to $3\frac{1}{4}$ " - - \$7.50



TRADE

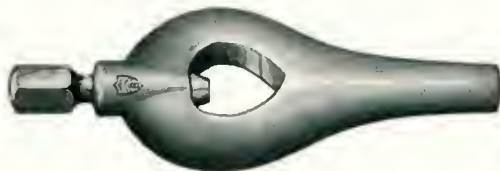
BONNEY

MARK

**HEAVY STEEL LATHE DOGS**

Steel screws U.S. Standard, points hardened—made with a heavy boss, which can be re-tapped for larger screw should thread become worn.

No.	Inch	Each	No.	Inch	Each
1.....	$\frac{1}{2}$	\$.40	12.....	2	\$1.20
2.....	$\frac{3}{4}$	.50	13.....	$2\frac{1}{4}$	1.35
3.....	$\frac{5}{8}$	.60	14.....	$2\frac{1}{2}$	1.45
4.....	$\frac{3}{4}$	.60	15.....	3	1.60
5.....	$\frac{7}{8}$	.70	16.....	$3\frac{1}{2}$	1.80
6.....	1	.70	17.....	4	2.10
7.....	$1\frac{1}{8}$	.80	18.....	$4\frac{1}{2}$	2.75
8.....	$1\frac{1}{4}$	.80	19.....	5	3.25
9.....	$1\frac{3}{8}$	.95	20.....	$5\frac{1}{2}$	4.00
10.....	$1\frac{1}{2}$	.95	21.....	6	5.00
11.....	$1\frac{3}{4}$	1.10			

STRAIGHT TAIL LATHE DOGS

Similar to Heavy Steel Dog, but with straight tail. Preferred by many machinists because of the direct action on the work.

No.	Inch	Each	No.	Inch	Each
1.....	$\frac{3}{4}$	\$.60	10.....	$2\frac{1}{4}$	\$1.35
2.....	$\frac{5}{8}$	.70	11.....	$2\frac{1}{2}$	1.45
3.....	1	.70	12.....	3	1.60
4.....	$1\frac{1}{8}$	.80	13.....	$3\frac{1}{2}$	1.80
5.....	$1\frac{1}{4}$	.80	14.....	4	2.10
6.....	$1\frac{3}{8}$	.95	15.....	$4\frac{1}{2}$	2.75
7.....	$1\frac{1}{2}$	.95	16.....	5	3.25
8.....	$1\frac{3}{4}$	1.10	17.....	$5\frac{1}{2}$	4.00
9.....	2	1.20	18.....	6	5.00



TRADE

BONNEY

MARK



LIGHT STEEL LATHE DOGS



These Dogs are designed for lighter work than Heavy Steel Dogs. They have steel screws U. S. Standard and points are hardened. The boss is sufficiently large to allow retapping.

LIST PRICE

No.	Inch	Each
1.....	$\frac{3}{8}$	\$0.35
2.....	$\frac{3}{8}$.....	.35
3.....	$\frac{3}{8}$.....	.50
4.....	1.....	.60
5.....	1 $\frac{1}{4}$.....	.75
6.....	1 $\frac{1}{2}$.....	.85
7.....	1 $\frac{3}{4}$	1.00
8.....	2.....	1.10
9.....	2 $\frac{1}{2}$	1.40
10.....	3.....	1.50
11.....	3 $\frac{1}{2}$	1.70
12.....	4.....	1.90

AMATEUR'S DOGS



Very similar in construction to Light Steel Dogs. Screws are steel with points hardened.

LIST PRICE

No.		Each
1.....	$\frac{3}{4}$ of an inch bore.....	\$0.30
2.....	$\frac{1}{2}$ of an inch bore.....	.35
3.....	$\frac{3}{4}$ of an inch bore.....	.45
4.....	1 inch bore.....	.50



TRADE

BONNEY

MARK



BONNEY

Original Patent Hollow Auger No. 4



Cast-iron frame. Adjustable stop. Frame japanned, plate, nickel plated.
Price per doz.....\$10.00

BONNEY

Improved Hollow Auger



Steel frame, extra heavy knife. Improved stop. Frame japanned. Plate, nickel plated.
Price per doz.....\$24.00

Packed $\frac{1}{4}$ doz. to cardboard box.

BONNEY

Spoke Trimmers No. 2



Trims spokes up to $2\frac{1}{2}$ inches. Finer adjustment than No. 1.
Price per doz.....\$7.00

Packed $\frac{1}{2}$ doz. in cardboard box.

BONNEY

Spoke Trimmers No. 1



Trims spokes up to 2 inches.
Price per doz.....\$5.00



TRACE

BONNEY

MARK



COOPER'S PATENT WASHER CUTTER

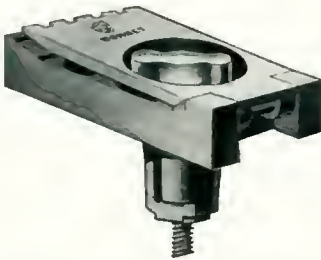


Frame malleable iron, white nickel finish. Blades best quality tool steel forged ground and tempered.

Price per doz \$8.50

Packed $\frac{1}{2}$ doz. in cardboard box.

COMMON SENSE BENCH STOP



Grey iron body and Malleable iron plate.

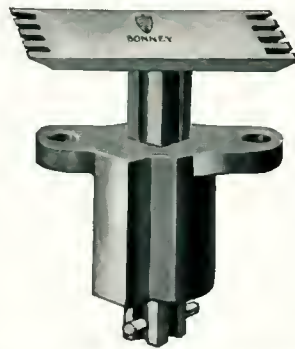
Body japanned and plate polished.

Countersunk in bench. Operated by spring and wing nut.

Price per doz \$6.50

Packed $\frac{1}{2}$ doz. in cardboard box.

LIGHTNING BENCH STOP



Grey iron frame and Malleable iron plate, polished. Operated by friction and spring.

Price per doz \$3.50



TRADE

BONNEY

MARK

**BONNEY BOX TOOL****Drop-forged from bar steel**

Bonney Box Tools are designed for the use of Green Grocers, Produce Men, Fruit Packers and Farmers. They are also found to be very useful in the shipping and packing departments of all business houses. For the reason that they are light, strong and yet not bulky, they are a very handy pocket tool. Finished in dull black with head and blade polished.

PRICE LIST

	Length, inches	Weight per Doz.	Price per Doz.
Bonney Box Tools	8½	11 lbs.	\$6.00

Packed in individual cartons.

EXPORT PACKING

No. to case	Net Weight	Gross Weight	Measurements
12 dozen	131 lbs.	158 lbs.	14 x 10½ x 11

BONNEY TACK CLAW

This is absolutely the strongest tack claw made. It is forged from high grade steel and will last a life-time. Length 7 inches. Weight per doz 3 lbs. 1 oz.

Price, per dozen, black \$1.50
 Price, per dozen, nickel plated 2.60

Packed 1 doz. in cardboard box.

EXPORT PACKING

No. to Case	Net weight	Gross weight	Measurements
50 dozen	154 lbs.	180 lbs.	27x9½x10½



TRADE

BONNEY

MARK



BONNEY JACK RABBIT WRENCH



Malleable Iron

Bonney Jack Rabbit Wrenches are made of the same tough grade of Malleable Iron as Bonney Malleable General Purpose and Machinery Wrenches. They are made to fit the eight different standard nuts used principally on farm machinery. Very handy to put in the tool box of any farm implement for quick repair work. Finished in black baking enamel with polished heads. Packed in individual cartons.

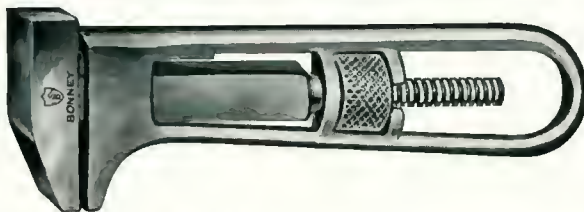
PRICE LIST

	Length	Weight per doz.	Price per doz.
Bonney Jack Rabbit Wrenches. . . .	8 $\frac{3}{4}$ "	10 $\frac{1}{2}$ lbs.	\$3.00

EXPORT PACKING

No. to Case	Net Weight	Gross Weight	Measurements
12 dozen	126 lbs.	157 lbs.	20 $\frac{1}{2}$ x 20 x 8 $\frac{1}{2}$

BONNEY POCKET WRENCH



Made of malleable iron, tinned and suitable for 5 and 10 cent store trade. All threads cut. Brass knurl nut.

PRICE LIST

	Length	Weight per doz.	Price per gross
Bonney Pocket Wrenches. . . .	3 $\frac{3}{4}$ "	2 lbs. 4 $\frac{1}{2}$ oz.	\$10.00

EXPORT PACKING

No. to Case	Net Weight	Gross Weight	Measurements
100 dozen	230 lbs.	270 lbs.	22 $\frac{1}{2}$ x 16 x 11



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